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TECHNICAL REPORT CERC-89-17

2

LOS ANGELES AND LONG BEACH HARBORS MODEL ENHANCEMENT PROGRAM

TIDAL CIRCULATION PROTOTYPE DATA COLLECTION EFFORT

Volume III APPENDIX J

by

David D. McGehee, James P. McKinney, Michael S. Dickey
Coastal Engineering Research Center

DEPARTMENT OF THE ARMY
Waterways Experiment Station, Corps of Engineers
3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199

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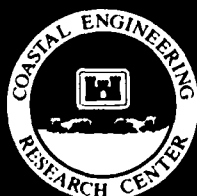
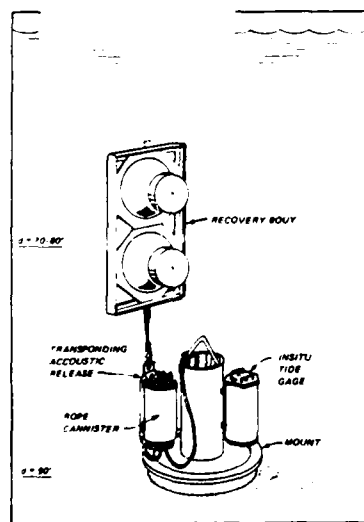
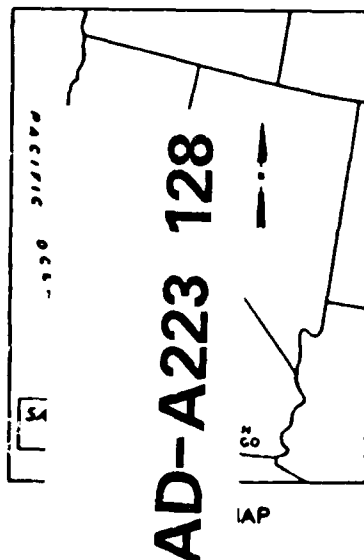


December 1989
Final Report

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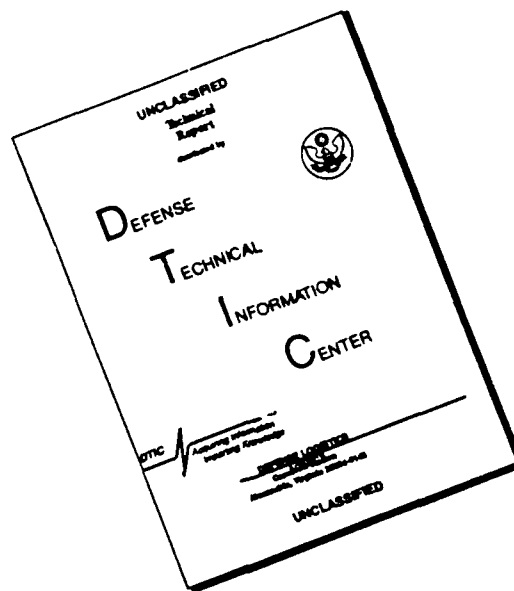


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APPENDIX J: SURFACE WEATHER OBSERVATIONS

→ This appendix contains National Weather Service surface observations for 1 June through 15 October 1987, Daugherty Field, Long Beach, California.



DEPARTMENT OF THE AIR FORCE
OL-A. USAF ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER (MAC)
FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801-2723

4 DEC '87

TO: CAS (Mr Tomlinson, FTS 672-0404)

SUBJECT: Surface Observation/Longbeach CA (Telecon, 3 Dec 87)

USACOE/Waterways Experiment Station
ATTN: WESCD-P (Davis McGehee)
PO Box 631
Vicksburg, MS 39180

Attached are copies of National Weather Service Form MF1-10B, Surface Weather Observations for Long Beach, Ca (Daugherty Field), period of record 1 July 1987 thru 15 October 1987.

John M. Walsh
JOHN M WALSH
Supervisor, Technical Services Section

1 Atch
Sfc Obs



Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

Long Beach Ca

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. TRACHERTY FIELD	
SURFACE WEATHER OBSERVATIONS										DATE JUN 01 1987	
										TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS	
TIME PLST	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS INCHES	TEMP °F	DEW PT °F	WIND		ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA
		SEA	WIND								
SA 0447	-X M2 OVC	1/2		F	125	60	59	12	05	990	/F5 CIG RG-0 VSBY NE 3/4 / 58
SP 0512	-X M1 BKN	1/4		F				17	05	991	/F5 VSBY NE 1/4
SP 0519	-X M1 BKN	1/2		F				16	05	991	/F3 VSBY SW-W 1/4
SP 0526	-X M1 BKN	3/4		F				17	04	991	/F3 VSBY NE 1/2
SP 0534	-X M3 BKN	3/4		F				15	03	991	/F2 VSBY NE-E 1/2
SP 0542	-X M3 BKN	1/4		F				13	04	992	TOPS 006
SA 0551	-X M3 BKN	1/4		F	132	59	58	14	04	992	/F2 VSBY NE 1/2 W3
SP 0601	-X M3 BKN	1/2		F				18	06	992	/F1 VSBY W3 N 1/2
SP 0617	-X M3 BKN	2		F				13	04	992	/F1 VSBY W-N 3
SP 0626	M5 BKN	2		F				12	03	992	/CIG RG-0 VSBY W-N 3
SP 0632	M5 BKN	2 1/2		F				25	03	992	/CIG RG-0 VSBY NE-E 1/2 W3
SA 0652	M5 BKN	2 1/2		F	135	62	59	12	03	993	/BKN V SCT CIG RG-0 VSBY NE-E 1/4 W3 / 3/5
SP 0729	5 SCT	2 1/2		FH				09	04	993	/VSBY NE-E 2 W3
SP 0723	5 SCT	4		H				13	04	993	/VSBY LWR NE
SA 0754	CLR	6		H	135	69	59	00	00	993	/ST BANK SHND SE-S VSBY LWR NE-E
SA 0848	CLR	6		H	135	71	59	16	07	993	/ST BANK SHND SE-S
SA 0950	CLR	12			135	71	59	14	07	993	/400 58
SA 1049	CLR	15			132	72	58	16	08	992	
SA 1153	CLR	15			129	74	56	15	10	991	
SA 1249	CLR	15			129	75	58	18	08	991	/607
SA 1349	CLR	20			122	77	54	19	09	989	/K LWR ALF N-E
SA 1449	CLR	20			122	76	53	18	12	989	/K LWR ALF N-NE
SA 1550	CLR	15			119	74	54	19	10	988	/710 77
SA 1647	CLR	15			119	75	49	16	10	988	
SA 1749	CLR	15			119	74	49	14	09	988	
SA 1848	CLR	20			125	67	59	16	10	990	/307
SA 1950	CLR	7			132	65	61	15	05	992	/VSBY WNE NE-SE
SP 2003	6 SCT	6		FH				14	06	993	
SA 2049	7 SCT	6		FH	142	65	62	18	06	995	
SP 2132	M7 BKN	6		FH				15	07	996	
SA 2150	M7 BKN	6		FH	146	64	61	16	07	996	/120 1500 77
SP 2234	7 SCT	6		FH				13	08	998	
SA 2249	7 SCT	5		FH	152	63	60	15	08	998	/4157

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related Basic observation.

FM12-VII: IIIII IR, HHVV Nddff 1a, TTT 2a, TdTdTd 3PoPoPoPo 4PPPP 5a PPP 6RRRR 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES FM1-10A (1-6-82) WHICH MAY BE USED. U.S.G.P.O. 1984-0-764-006/0085

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE JUN 2 6-2-87 1007	
				TO CONVERT LST TO GMT ADD -5 HRS SUBTRACT _____ HRS	
TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Inches)	TEMP (F)
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120
121	122	123	124	125	126
127	128	129	130	131	132
133	134	135	136	137	138
139	140	141	142	143	144
145	146	147	148	149	150
151	152	153	154	155	156
157	158	159	160	161	162
163	164	165	166	167	168
169	170	171	172	173	174
175	176	177	178	179	180
181	182	183	184	185	186
187	188	189	190	191	192
193	194	195	196	197	198
199	200	201	202	203	204
205	206	207	208	209	210
211	212	213	214	215	216
217	218	219	220	221	222
223	224	225	226	227	228
229	230	231	232	233	234
235	236	237	238	239	240
241	242	243	244	245	246
247	248	249	250	251	252
253	254	255	256	257	258
259	260	261	262	263	264
265	266	267	268	269	270
271	272	273	274	275	276
277	278	279	280	281	282
283	284	285	286	287	288
289	290	291	292	293	294
295	296	297	298	299	300
301	302	303	304	305	306
307	308	309	310	311	312
313	314	315	316	317	318
319	320	321	322	323	324
325	326	327	328	329	330
331	332	333	334	335	336
337	338	339	340	341	342
343	344	345	346	347	348
349	350	351	352	353	354
355	356	357	358	359	360
361	362	363	364	365	366
367	368	369	370	371	372
373	374	375	376	377	378
379	380	381	382	383	384
385	386	387	388	389	390
391	392	393	394	395	396
397	398	399	400	401	402
403	404	405	406	407	408
409	410	411	412	413	414
415	416	417	418	419	420
421	422	423	424	425	426
427	428	429	430	431	432
433	434	435	436	437	438
439	440	441	442	443	444
445	446	447	448	449	450
451	452	453	454	455	456
457	458	459	460	461	462
463	464	465	466	467	468
469	470	471	472	473	474
475	476	477	478	479	480
481	482	483	484	485	486
487	488	489	490	491	492
493	494	495	496	497	498
499	500	501	502	503	504
505	506	507	508	509	510
511	512	513	514	515	516
517	518	519	520	521	522
523	524	525	526	527	528
529	530	531	532	533	534
535	536	537	538	539	540
541	542	543	544	545	546
547	548	549	550	551	552
553	554	555	556	557	558
559	560	561	562	563	564
565	566	567	568	569	570
571	572	573	574	575	576
577	578	579	580	581	582
583	584	585	586	587	588
589	590	591	592	593	594
595	596	597	598	599	600
601	602	603	604	605	606
607	608	609	610	611	612
613	614	615	616	617	618
619	620	621	622	623	624
625	626	627	628	629	630
631	632	633	634	635	636
637	638	639	640	641	642
643	644	645	646	647	648
649	650	651	652	653	654
655	656	657	658	659	660
661	662	663	664	665	666
667	668	669	670	671	672
673	674	675	676	677	678
679	680	681	682	683	684
685	686	687	688	689	690
691	692	693	694	695	696
697	698	699	700	701	702
703	704	705	706	707	708
709	710	711	712	713	714
715	716	717	718	719	720
721	722	723	724	725	726
727	728	729	730	731	732
733	734	735	736	737	738
739	740	741	742	743	744
745	746	747	748	749	750
751	752	753	754	755	756
757	758	759	760	761	762
763	764	765	766	767	768
769	770	771	772	773	774
775	776	777	778	779	780
781	782	783	784	785	786
787	788	789	790	791	792
793	794	795	796	797	798
799	800	801	802	803	804
805	806	807	808	809	810
811	812	813	814	815	816
817	818	819	820	821	822
823	824	825	826	827	828
829	830	831	832	833	834
835	836	837	838	839	840
841	842	843	844	845	846
847	848	849	850	851	852
853	854	855	856	857	858
859	860	861	862	863	864
865	866	867	868	869	870
871	872	873	874	875	876
877	878	879	880	881	882
883	884	885	886	887	888
889	890	891	892	893	894
895	896	897	898	899	900
901	902	903	904	905	906
907	908	909	910	911	912
913	914	915	916	917	918
919	920	921	922	923	924
925	926	927	928	929	930
931	932	933	934	935	936
937	938	939	940	941	942
943	944	945	946	947	948
949	950	951	952	953	954
955	956	957	958	959	960
961	962	963	964	965	966
967	968	969	970	971	972
973	974	975	976	977	978
979	980	981	982	983	984
985	986	987	988	989	990
991	992	993	994	995	996
997	998	999	1000	1001	1002
1003	1004	1005	1006	1007	1008
1009	1010	1011	1012	1013	1014
1015	1016	1017	1018	1019	1020
1021	1022	1023	1024	1025	1026
1027	1028	1029	1030	1031	1032
1033	1034	1035	1036	1037	1038
1039	1040	1041	1042	1043	1044
1045	1046	1047	1048	1049	1050
1051	1052	1053	1054	1055	1056
1057	1058	1059	1060	1061	1062
1063	1064	1065	1066	1067	1068
1069	1070	1071	1072	1073	1074
1075	1076	1077	1078	1079	1080
1081	1082	1083	1084	1085	1086
1087	1088	1089	1090	1091	1092
1093	1094	1095	1096	1097	1098
1099	1100	1101	1102	1103	1104
1105	1106	1107	1108	1109	1110
1111	1112	1113	1114	1115	1116
1117	1118	1119	1120	1121	1122
1123	1124	1125	1126	1127	1128
1129	1130	1131	1132	1133	1134
1135	1136	1137	1138	1139	1140
1141	1142	1143	1144	1145	1146
1147	1148	1149	1150	1151	1152
1153	1154	1155	1156	1157	1158
1159	1160	1161	1162	1163	1164
1165	1166	1167	1168	1169	1170
1171	1172	1173	1174	1175	1176
1177	1178	1179	1180		

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STAT OF CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS										DATE JUN 3 1987 TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 0 HRS									
TIME ZULU	SKY AND CEILING Hundred Feet (3)	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP AIR DEW SURF	WIND DIR SPEED KTS	WIND GUST KTS	WIND SHEAR KTS	WIND SHEAR KTS	WIND SHEAR KTS	WIND SHEAR KTS	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION IN KTS					
		STATUTE	NAUTICAL																
SA 0447	-X M9 OVC	2 1/2	40	FH	163.62	58	13	03					001 / FH2 CIG RG-L / 61	82W					
SA 0504	-X M9 OVC	2 1/2		FH	166.63	58	32	04					002 / FH2 CIG RG-D	82W					
SA 0612	-X M10 OVC	2 1/2		FH			30	06					002 / FH2 CIG RG-D	82W					
SA 0652	-X M10 OVC	2 1/2		FH	166.63	58	30	06					002 / FH1 CIG RG-D TOPS	82W					
SA 0751	-X M12 OVC	2 1/2		HK	166.66	58	00	00					002 / HK1 THIN SPOTS M12 OVC	82W					
SA 0814	-X 12 SCT 250 -BKN	2 1/2		HK			25	03					002 / HK1 CIG LWR SE	82W					
SA 0848	-X 250 -BKN	2 1/2		HK	163.71	58	27	04					001 / HK1	82W					
SA 0929	-X 250 -BKN	3		HK			34	03					001 / HK1	82W					
SA 0950	-X 250 -BKN	3		HK	163.75	58	18	04					001 / HK1 / 603 1001 61	82W					
SA 1053	250 -BKN	5		HK	159.75	58	17	08					000	82W					
SA 1129	E250 BKN	5		HK			27	05					999 / USHT 25	82W					
SA 1150	E250 BKN	6		HK	152.81	57	26	09					998 / FEW CU CSNT N	82W					
SA 1249	E250 BKN	7			149.80	56	26	11					997 / FEW CU CSNT N	82W					
SA 1347	250 -BKN	12			142.78	56	27	11					995	82W					
SA 1449	250 -BKN	15			142.75	55	27	14					995	82W					
SA 1451	250 -BKN	12			135.71	55	28	13					993 / 714 1002 81	82W					
SA 1645	250 SCT	12			135.69	57	27	10					993	82W					
SA 1751	250 SCT	12			135.67	58	28	11					993	82W					
SA 1850	250 SCT	20			139.65	58	28	06					998 / 302 1002	82W					
SA 1953	250 SCT	20			146.61	58	14	07					996	82W					
SA 2053	250 SCT	20			152.62	58	16	05					996	82W					
SA 2151	CLR	20			156.62	56	01	05					999 / FEW CI / 119 1001 91	82W					
SA 2246	CLR	20			156.62	57	24	05					999 / FEW CI LAST	82W					

A synoptic observation being WMO code FM12-VII, as described in FMH-2, is entered on line following raised basic observation.

FM12-VII: IIII R12VV Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRr 7wwW1W2 8NCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (1-8) WHICH MAY BE USED. U.S.G.P.O. 1984-0-754-008/0085

[illegible]

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		
SURFACE WEATHER OBSERVATIONS												DATE JUN 4 1987	TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.	
TIME LOCAL	TIME GMT	SKY AND CEILING HUNDREDS OF FEET	VISIBILITY MILES		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. F	DEW POINT F	WIND				ALTIM. FEET MEAN	REMARKS AND SUPPLEMENTAL CODED DATA
			STATUTE	NAUTICAL					DIRECTION	SPEED	MAX. GUST	MIN. GUST		
SA 0447		10 SCT 200 -BKN	5		FH	156	60	58	01	04		999	59	2LW
SP 0507		7 SCT 300 -BKN	5		FH				01	03		999		2LW
SA 0555		300 -BKN	5		FH	156	62	58	01	04		999	FEW ST 7HND	2LW
SA 0653		300 -SCT	6		HK	159	65	58	00	00		000	FEW AC/ 303 1031	2LW
SA 0752		300 -BKN	6		HK	156	70	58	32	05		999	FEW AC E-SE	2LW
SA 0849		300 -SCT	6		HK	152	75	58	23	04		998	FEW AC E	2LW
SP 0916		300 -SCT	6		HK				17	16		999	FEW AC NE-E WSHET	2LW
													03	
SA 0950		300 -SCT	6		HK	157	68	58	19	11		000	FEW AC CNT N-NE	2LW
													306 1031 59	
SA 1051		300 -SCT	6		HK	163	69	59	16	12		X1	ST BAKK SE-S ACAS	2LW
													NE-SE	
SA 1152		CLR	8			159	70	59	17	10		000	FEW ST SE-S ACAS	2LW
													NE-SE	
SA 1250		CLR	8			152	78	60	28	09		998	AC C1 E-S/SCS 1031	ML
SA 1349		CLR	10			139	78	58	28	09		994	CB DNT E FEW CH	ML
													AC C1 N-E-S	
SA 1446		CLR	12			132	81	57	27	14		992	CB DNT NE-SE CH C1	ML
													N-E-S	
SA 1553		250 SCT	12			122	76	54	27	12		989	CB N-E-SE/330 1903	82LW
SA 1651		250 SCT	13			115	76	52	29	10		987		FM
SA 1751		250 SCT	18			119	72	54	25	09		988		FM
SA 1855		150 SCT 250 SCT	20			115	67	56	33	07		987	1605 1071	FM
SA 1952		CLR	20			119	65	56	30	08		988		FM
SA 2055		CLR	20			119	65	56	31	10		988		FM
SA 2150		CLR	20			119	64	56	30	05		988	1103 P2	FM
SA 2247		CLR	15			119	65	57	17	10		988	1457	FM

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: 11111 121212V Nddff 1a0TTT 2a0TdTdTd 3PoPoPoPo 4PPPP 5pppp 6RRR1R 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED. U.S.G.P.O. 1984-0-784-008/0085

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. DAUGHERTY FIELD		DATE JUN 5 1987 87		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u>0</u> HRS.				
SURFACE WEATHER OBSERVATIONS														
TIME 1 2	TYPE 3	SKY AND CEILING Hundreds of Feet 4	VISIBILITY Miles 5		WEATHER AND OBSTRUCTIONS TO VISION 6	SEA LEVEL PRESS. INCHES 7	TEMP. AIR 8	DEW POINT 9	WIND 10			ALTIM. FEET 11	REMARKS AND SUPPLEMENTAL CODED DATA 12	COR. 13
			14	15					16	17	18			
0454		E120 BKN 250 BKN	10			125	63	60	15	06		990	/ACLS ALQPS VIRGA	AD
0551		E120 BKN 350 OVC	10			125	64	60	13	04		990	/ACLS ALQPS FEW STS	AD
0650		E120 BKN 250 BKN	10			125	65	60	19	04		990	/ACLS ALQPS /1021082	AD
0748		120 SCT E150 BKN	10			129	67	60	18	08		991	/FEW ACLS SW-N	AD
0850		150 SCT 250 - BKN	12			129	69	60	19	08		991	/FEW ACLS W	AD
0953		250 - BKN	10			129	74	59	16	06		991	/FEW ACLS AL/0021052	AD
1048		250 - BKN	10			125	75	58	18	07		990	/FEW ACLS N-LE	AD
1150		250 - SCT	10			115	80	57	20	06		987	/MDT CU CB N-E STARY	AD
1250		250 - BKN	10			112	79	56	17	09		986	/CB N-E STARY/7151901	AD
1349		250 - OVC	11			108	78	56	17	11		985	/CB N-E	ML
1449		E350 OVC	12			108	73	57	17	13		985	/CB N-E STARY	ML
1550		100 SCT E250 OVC	15			119	70	57	14	14		982	/CB N-E 196782	AD
1648		100 SCT 100 SCT E250 OVC	15			119	69	61	14	10		988	/SC 11-12 105 SCT, BKN	AD
1753		100 SCT E150 BKN 250 OVC	13			108	69	61	24	04		985	/FEW SC	AD
1859		150 SCT E250 OVC	15			108	70	60	27	06		985	/6142 1077	AD
1951		150 SCT E250 OVC	15			112	70	54	27	07		986		AD
2048		100 SCT E150 BKN 250 OVC	15			115	71	53	20	05		987		AD
2150		100 SCT E150 OVC	15			122	66	60	16	12		989	/OCL LTG DSHT SW	AD
2233		E100 BKN 150 OVC	15		T				14	09		989	/SW MOC N OCL	AD
2347		E90 BKN 150 OVC	15		T	122	66	61	16	09		989	/SW MOC N LTC-CC *T831	AD
													LTC-CC *T831 LAST	

FM12-VII: 1111 1R12HVY Nddff 100TTT 20TdTdD 3PoPoPoPo 4PPPP 5pppp 6RRR1R 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A11-82 WHICH MAY BE USED. U.S.GPO 1984-0-784-008/8086

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. <i>Long Beach</i> <i>DAUGHERTY FIELD</i> <i>CA</i>																												
SURFACE WEATHER OBSERVATIONS <i>6-5-87</i>				DATE <i>JUN 5 1987</i>																												
				To convert LST to GMT ADD <i>2</i> hrs. SUBTRACT <i>0</i> hrs.																												
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL OBS. COVER	PRES. CORR. (In.)	NET DRAINAGE (In.)	SURFACE WIND (In.)	PRECIPITATION (In.)										
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER																	
1A	1B	1C	1D	1E	1F	2A	2B	2C	2D	2E	2F	2G	2H	2I	2J	2K	2L	2M	2N	2O	2P	2Q	2R	2S	2T	2U	2V	2W	2X	2Y	2Z	
00																																
01																																
02																																
03																																
04	<i>54</i>	<i>29.855</i>				<i>9</i>															<i>9</i>											
05	<i>51</i>	<i>29.860</i>				<i>10</i>															<i>9</i>											
06	<i>50</i>	<i>29.860</i>				<i>9</i>	<i>9</i>	<i>ALAS</i>	<i>E20</i>	<i>0</i>	<i>C1</i>	<i>250</i>	<i>9</i>							<i>9</i>	<i>1</i>	<i>.005</i>										
07	<i>43</i>	<i>29.870</i>				<i>8</i>															<i>8</i>											
08	<i>50</i>	<i>29.870</i>				<i>8</i>															<i>3</i>											
09	<i>53</i>	<i>29.865</i>				<i>9</i>	<i>0</i>	<i>ALAS</i>	<i>100</i>	<i>0</i>	<i>AC</i>	<i>180</i>	<i>0</i>	<i>9</i>	<i>C1</i>	<i>250</i>	<i>9</i>			<i>3</i>	<i>0</i>	<i>.005</i>										
10	<i>48</i>	<i>29.860</i>				<i>9</i>															<i>4</i>											
11	<i>50</i>	<i>29.830</i>				<i>5</i>															<i>2</i>											
12	<i>50</i>	<i>29.820</i>				<i>9</i>	<i>0</i>	<i>CB</i>	<i>100</i>	<i>9</i>	<i>C1</i>	<i>250</i>	<i>9</i>							<i>2</i>	<i>7</i>	<i>.045</i>										
13	<i>49</i>	<i>29.810</i>				<i>10</i>															<i>5</i>											
14	<i>49</i>	<i>29.810</i>				<i>10</i>															<i>6</i>											
15	<i>50</i>	<i>29.840</i>				<i>10</i>	<i>0</i>	<i>CB</i>	<i>80</i>	<i>3</i>	<i>AC</i>	<i>100</i>	<i>3</i>	<i>7</i>	<i>CS</i>	<i>E20</i>	<i>10</i>			<i>9</i>	<i>3</i>	<i>.020</i>										
16	<i>48</i>	<i>29.835</i>				<i>10</i>															<i>9</i>											
17	<i>57</i>	<i>29.810</i>				<i>10</i>															<i>10</i>											
18	<i>51</i>	<i>29.805</i>				<i>10</i>	<i>4</i>	<i>AC</i>	<i>150</i>	<i>6</i>	<i>CS</i>	<i>E20</i>	<i>10</i>							<i>9</i>	<i>6</i>	<i>.035</i>										
19	<i>51</i>	<i>29.820</i>				<i>10</i>															<i>9</i>											
20	<i>49</i>	<i>29.820</i>				<i>10</i>															<i>10</i>											
21	<i>50</i>	<i>29.855</i>				<i>10</i>	<i>0</i>	<i>CB</i>	<i>70</i>	<i>4</i>	<i>AC</i>	<i>100</i>	<i>4</i>	<i>6</i>	<i>AC</i>	<i>E10</i>	<i>10</i>			<i>10</i>	<i>2</i>	<i>.040</i>										
22	<i>47</i>	<i>29.850</i>				<i>10</i>															<i>10</i>											
23																																

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF CLOUDS	11	12	13	14	15	16	17	18	STATION PRESSURE COMPUTATIONS
01	0451	1	0	0	0	65	62										0950 0546 2146
02	0451	1	0	0	0	65	62										
03	0748	2	0	0	0	76	62										
04	1545	3	0	0	0	82	69										
05	2145	4	0	0	0	71	66										29.865 29.840 29.875
06	2305	5	0	0	0	66	66										29.870 29.860 29.880

SUMMARY OF DAY OBSERVATIONS TO 2300P (2300P - 2300P)												WEATHER & OBSTRUCTIONS TO VISION			
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. BAYER EQUIV. (In.)	24-HR. SNOWFALL UNELTD (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIR. (°)	24-HR. WIND GUST (Kts.)	24-HR. WIND CHILL (°F)	24-HR. WIND RELATIVE HUMIDITY (%)	24-HR. WIND WAVE HGT. (In.)	24-HR. WIND WAVE PERIOD (Sec.)	TYPE	BEGAN END	TYPE	BEGAN END
82	62	0	0	0	19	5	145			9		T	2231	Com	

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA			
TIME: <i>SUNRISE</i>	TIME: <i>SUNSET</i>		
TOTAL CLOUDS (In.)	PERCENT OF CLOUDS (In.)	CHARACTER OF CLOUDS	CHARACTER OF CLOUDS
PARTIAL CLOUDS (In.)	PERCENT OF CLOUDS (In.)	CHARACTER OF CLOUDS	CHARACTER OF CLOUDS
TIME CHECK - CLOCK AT: <i>1000</i> <i>02 sec.</i> <i>1530</i> <i>02 sec.</i> <i>2130</i> <i>02 sec.</i>			

MP 1-10A 15-831		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. TDAUGHERTY FIELD!		DATE JUN 6 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u>0</u> HRS.	
SURFACE WEATHER OBSERVATIONS																	
TIME LOCAL	TIME GMT	SKY AND CEILING Hundred ft. Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. AIR DEW POINT	WIND			ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OR REMARKS				
			Surface	Upper				Direction	Speed	Gust							
SA 0447		M8 OVC	5		F	125	63	62	14	07	990	/CIG RG-D / 63 20008					
SP 0531		M7 BKN 120 OVC	5		F				16	09	990	/CIG RG-D					
SA 0553		M6 BKN 70 BKN 250 BKN	5		F	129	63	61	16	10	991	/6 BKN V SCT CB SE					
SP 0658		M8 BKN 70 OVC	5		TF				12	15	991	/MOVG NW TCU SW-NW					
												/TB25 SE MOVG NW					
												/OCNL LTG-ICCL SE-S					
												/RWL SE-S TOPS LWR					
												/LAYER 020					
SA 0654		M8 BKN 70 OVC	5		TRW-F	132	63	60	14	09	992	/TB25 OVHD MOVG NW					
												/OCNL LTG-ICCL SW-NW					
												/RB45 / 31000 1911					
SP 0721		M8 OVC	5		F				17	06	994	/TE19 MOVG NW CIG					
												/RG-D					
SA 0751		M9 OVC	7			139	64	61	15	11	994	/TE19 MOVG NW REM					
												/CIG RG-D RWL N AND					
												/E					
SA 0848		M9 BKN 70 OVC	7			135	65	61	14	09	993	/BPRS OVHD CIG RG-D					
												/TOPS LWR LAYER 018					
												/SM1 SW NCB					
SP 0902		M10 BKN 70 OVC	8						15	07	993	/BPRS SE CIG RG-D					
												/VSBY LWR NW-N					
												/WNC CAV.7					
RS 0950		M12 OVC	8		T	135	66	61	14	11	993	/TB47 NE-E MOVG N					
												/OCNL LTG-IC RWL E-SE					
												/CIG RG-D / 00302 1911					
												/63					
SP 1007		8 SCT M12 OVC	8		TRW-				15	10	993	/T NE-SE MOVG N					
												/OCNL LTG-ICCCG					
SP 1036		8 SCT M10 OVC	6		H				13	13	993	/TE34 MOVG N CB					
												/NW-NE MOVG N RWL					
												/N-NE CIG RG-D					
SA 1055		8 SCT M11 OVC	6		H	135	65	60	15	14	620	993	/TE34 MOVG N CB				
													/NW-NE MOVG N RB03				
													/E28 RWL N-NE CIG				
													/RG-D				
SP 1139		10 SCT E15 OVC	8						15	15	993	/THIN SPOTS IN OVC					
SA 1152		12 SCT E15 OVC	8			135	68	61	15	14	993	/THIN SPOTS IN OVC TOPS					
SA 1249		12 SCT E15 BKN	10			135	68	60	16	14	993	/SCT V BKN / 00100 1500					
SP 1316		M12 BKN 15 BKN	10						14	16	992						
SA 1349		M13 BKN 15 OVC	12			132	68	59	16	13	992						
SA 1451		M13 OVC	12			135	66	59	18	10	993	/SML BKN OVC W TOPS					
												/020					
SA 1552		M13 OVC	12			135	67	59	17	07	993	/THIN SPOTS IN OVC / 8024511					
												/69					
SA 1648		M14 BKN 20 OVC	12			132	66	59	16	10	992	/BKN OVC NW-NE					
SP 1709		15 SCT 21- BKN	10						16	10	991						
SP 1725		15 SCT M23 OVC	10						16	12	991	/FEW 21 IN OVC S					
SA 1747		15 SCT M22 OVC	10			132	65	58	16	10	992						
SA 1848		M15 OVC	12			139	65	57	15	09	994	/305 1511					

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: 11111 1R12HVY Nddff 10TTT 20TdTd 3PoPoPoPo 4PPPP 5suppp 6RRR1R 7wwW1W2 8HhCLCmCH plus regional and national data groups.
SUPERSEDES MP 1-10A 11-82 WHICH MAY BE USED. U.S.GPO 1984-0-764-008/0085

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		
SURFACE WEATHER OBSERVATIONS												DATE JUN 6 1987	TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u> </u> HRS	
TYPE 1	TIME (LST) 2	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. INCHES 6	TEMP. AIR 7	DEW POINT 8	WIND 9			ALTIM. ETER READING 12	REMARKS AND SUPPLEMENTAL CODED DATA (13)	CORRECTION (14)
			SURFACE 10	TOWER 11					DIRECTION 100-110 10	SPEED KTS. 11	CHARACTER 12			
SP	1932	M 13 OVC	10						16	07		996		AD
SA	1948	M 13 OVC	10			146	64	58	17	06		996		AD
SA	2049	M 13 OVC	8		L-	149	64	58	17	08		997	TOPS 030*LB40	AD
SA	2151	M 13 BKN 22 OVC	8			149	64	58	16	06		997	LE05 / 00800 1511 69	AD
SP	2221	13 SCT M 22 OVC	8						15	08		996		AD
SA	2249	13 SCT M 22 OVC	8			146	63	58	14	07		996	LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII 1R12HV Nddff 1s0TTT 2s0TdTd 3P0P0P0P0 4PPPP 5pppp 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED. U.S.GPO 1984-0-784-008/5085

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS					
DATE JUN 6 1987 87				To convert LST to GMT ADD 8 hrs. SUBTRACT 0 hrs.	

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES. SURF. CHNG. (In.)	WIND CHNG. (In.)	WIND DIR.	PRECIPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
						AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT					
00																						
01																						
02																						
03																						
04	47	29.860			10										10					.06		
05	53	29.865			9										9					.02		
06	54	29.870			10	2	ST	M8	2	CB	70	10			10	3	.030		T			
07	51	29.870			10										10					.02		
08	48	29.870			10										10							
09	50	29.870			10	10	CB	M12							10	0	.010					
10	55	29.870			10										10				T			
11	52	29.870			10										10							
12	47	29.870			9	5	SC	12	4	SC	E15	9			9	4	.030					
13	49	29.870			10										10							
14	51	29.870			10										10							
15	52	29.875			10	10	SC	M13							10	8	.005					
16	48	29.875			10										10							
17	47	29.870			10										10							
18	48	29.905			10	10	SC	M15							10	3	.015					
19	48	29.920			10										10							
20	49	29.930			10										10				T			
21	57	29.925			10	9	SC	M13	1	SC	22	10			10	0	.025		T			
22	49	29.920			10										10							
23																						

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPT. (In.)	WIND TEMP. (°F)	WIND DIR.	STATE OF SKY	STATE OF SEA	STATE OF ICE	STATE OF FROST	STATE OF HAIL	STATE OF SLEET	STATE OF RAIN	STATE OF DRIZZLE	STATE OF MIST	STATE OF FOG
01	0447	1	.08	0	0	66	63										
02	0447	1	.08	0	0	66	63										
03	0448	1	.02	0	0	67	63										
04	1547	1	T	0	0	69	64										
05	2147	1	T	0	0	67	64										
06	2300	1	0	0	0	64	63										

SUMMARY OF DAY RECORDING TO 2300P (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION							
PEAK WIND												TYPE							
WIND DIR.	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	WIND SPEED (Kts)	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED		
69	63	.10	0	0	21	5	1232					T	0645	0719	W	0735			
												F	0625	0719					
												Rw	0645	0719					
												T	0947	1034					
												Rw	1003	1028					
												H	1028	1115					
												L	2040	2105					

TIME: SUNRISE				SUNSET			
TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNSHINE	CHARACTER OF SUNSET	TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNSHINE	CHARACTER OF SUNSET

TIME CHECK - CLOCK AT: 0500P				03 sec. / 1000P				03 sec. / 1600P				03 sec.			
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MP1-108 (10-83)

SUPERSEDES MP1-108 (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/808

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUN 7 1987		TO CONVERT LST TO GMT ADD -8 HRS. SUBTRACT	
TIME 1157 Z	TYPE	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) SURFACE TOPOG		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. Hds.	TEMP. F	DEW PT. F	WIND			ALTIM. INCHES SEA-LEVEL	REMARKS AND SUPPLEMENTAL CODED DATA (15)	OR REMARKS (15)	
			141	40					DIRECT 100-MPH	SPEED KTS	CHAR. 10				
SA 0447		M17 OVC	12			142.64	58	22	05		995	FEW LWR SC / 63	2LW		
SA 0552		M16 OVC	15			142.64	57	16	04		995	FEW LWR SC TOPS 20002	2LW		
SA 0649		M15 OVC	12			146.64	58	17	04		996	222 4MI SW LGB TOPS 030 / 307 15//	2LW		
SA 0755		M16 OVC	10			146.65	58	23	04		996		2LW		
SA 0853		M17 OVC	8			146.66	58	20	03		996		2LW		
SA 0950		M18 OVC	6		HK	146.68	58	17	05		996	400 15// 63	2LW		
SA 1051		M21 OVC	7			146.70	58	21	07		996	WIND 16V27	2LW		
SA 1148		E22 OVC	8			142.71	58	18	13		995	BINOVC	2LW		
L 1202		E25 BKN	8					18	10		995		2LW		
SP 1215		25 SCT	10					17	13		995		2LW		
SA 1247		25 SCT 50 SCT	12			139.72	58	17	11		994	TCU N OMTNS / 207 1800	2LW		
SA 1349		25 SCT 50 SCT	10			135.72	58	18	14		993	25 SCT V BKN TCU N	2LW		
SP 1421		E25 BKN 50 BKN	10					20	12		992	OMTNS 25 BKN V SCT TCU	2LW		
												N OMTNS TOPS OF LWR LAYER 030			
SA 1449		M21 BKN 50 BKN	10			132.71	59	19	12		992	MDT CU N OMTNS	2LW		
SA 1551		M22 OVC	10			132.70	59	22	10		992	608 15// 73	AD		
SA 1648		M18 OVC	10			129.68	59	28	12		991		AD		
SP 1737		M13 BKN 20 OVC	10					28	09		993		AD		
SA 1747		M12 BKN 18 OVC	10			135.66	60	27	08		993		AD		
SA 1850		M14 BKN 20 OVC	10			139.66	59	22	07		994	TOPS 027 / 208 15//	AD		
SP 1939		M16 OVC	8					20	07		995	TOPS 030	AD		
SA 1948		M16 OVC	8			142.65	59	22	06		995		AD		
SA 2049		M19 OVC	8			142.65	58	22	04		995		AD		
SA 2149		M18 OVC	8			146.65	58	26	03		996	207 15// 73	AD		
SA 2248		M16 OVC	8			146.65	58	25	04		996	LAST	AD		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII IRIghVV Nddff 1aTTT 2aTdTd 3P0P0P0 4PPPP 5eppp 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED. U.S.GPO:1984-0-754-008/0085

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE															STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)												
SURFACE WEATHER OBSERVATIONS																				DATE JUN 7 1987					To convert LST to GMT ADD 8 hrs. SUBTRACT _____ hrs.				
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (F)	WET BULB (F)	REL. HUMID. (%)	TOTAL CLOUD COVER	CLOUD AND OBSCURING PHENOMENA															TOTAL O. PAQUE COVER	PRES. TEND- ENCY	NET 3 HR. CHANGE (In.)	SUN- SHINE (In.)	PREC- IPITATION (In.)				
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER			FIFTH LAYER											
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT									
00																													
01																													
02																													
03																													
04	47	29.910			10										10														
05	52	29.910			10										10														
06	49	29.920			10	10	SC	M15							10	3	.020												
07	55	29.920			10										10														
08	53	29.920			10										10														
09	50	29.920			10	10	SC	M18							10	4	.000												
10	51	29.920			10										10														
11	48	29.910			10										10														
12	49	29.900			3	3	SC	25	0	TCU	50	3			3	8	.020												
13	49	29.890			5										5														
14	49	29.880			7										7														
15	51	29.875			10	10	SC	M22							10	6	.025												
16	48	29.870			10										10														
17	47	29.870			10										10														
18	50	29.900			10	8	SC	M14	2	SC	20	10			10	2	.025												
19	48	29.910			10										10														
20	49	29.910			10										10														
21	49	29.920			10	10	SC	M18							10	2	.020												
22	48	29.920			10										10														
23																													
24																													

SYNOPTIC OBSERVATIONS															STATION PRESSURE COMPUTATIONS																	
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (F)	MIN. TEMP. (F)	STATE OF SKY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
00	06	43	0	0	0	64	63																									
01	07	44	0	0	0	64	63																									
02	08	44	0	0	0	68	63																									
03	09	48	0	0	0	73	67																									
04	10	47	0	0	0	70	65																									
05	11	50	0	0	0	66	65																									

SUMMARY OF DAY (REFERENCE TO HOURS) (2300P TO 2300P)															WEATHER AND OBSTRUCTIONS TO VISION																	
10-HR. MAX. TEMP. (F)	10-HR. MIN. TEMP. (F)	10-HR. PRECIP. WATER EQUIV. (In.)	10-HR. SNOWFALL UNELTD (In.)	10-HR. SNOW DEPTH (In.)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	10-HR. WIND SPEED (Kts)	10-HR. WIND DIR. (F)	10-HR. WIND GUST (Kts)	
66	63	0	0	0	17	5	1329																									

REMARKS (BY HAND OR MACHINE)									
TIME: SUNRISE _____ SUNSET _____ TOTAL CLOUDS: _____ PARTIAL CLOUDS: _____ TIME CHECK - CLOCK AT: 0500P ± 0.000P ± 0.000P ± 0.000P 4 LAST SEVERAL OCCURRENCES SP= _____ RS= _____									

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS												DATE JUN 8 1987 77 TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT HRS									
TIME (LST)	TYPE	SKY AND CEILING (Hundred Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Inches)	TEMP (F)	DEW PT. (F)	WIND			ALTIM SET- TING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION (Inches)							
			Surface	Lower					Dir	Speed	Max										
0425	SA	M15 BKN 2000	10			142.64	58	16	03		995	164	MS								
0523	SP	M15 BKN 2000	10					18	05		996	165 034	MS								
0650	SA	M15 BKN 2000	10			146.64	58	22	04		996	165 035	MS								
0653	SA	M15 BKN 2000	10			149.64	58	21	05		997	1308 1511	MS								
0749	SA	15 SCT M2000	10			152.65	59	24	03		999	1308 1511	MS								
0846	SA	12 SCT M1500	9			152.65	59	24	04		999	1308 1511	MS								
0857	SP	M12 BKN 1500	10					22	04		997	1002 1511 64	MS								
0948	SA	M1400	10			152.66	59	29	03		998		MS								
1040	SP	M15 BKN 1400	10					00	00		997		MS								
1051	SA	M15 BKN 1400	10			149.67	59	23	05		997		MS								
1150	SA	M2000	7			146.69	60	23	08		998		MS								
1246	SA	M2000	7			152.70	60	29	08		999	1708 1511	MS								
1345	SA	M2100	9			135.72	60	26	09		993	1500 BKNVC CLUD	MS								
1357	SP	8 SCT M1900	10					28	08		993	1500	MS								
1444	SA	M21 BKN	10			132.72	59	22	08		992	1500	MS								
1550	SA	M21 BKN	8			132.71	59	25	07		992	1500	MS								
												73									
1610	SP	21 SCT	8					27	12		992		MS								
1652	SA	21 SCT	8			129.68	59	28	09		991	1500	MS								
1714	SP	M18 BKN	8					30	06		991		MS								
1751	SA	M18 BKN	8			129.67	59	28	09		991	1500	MS								
1801	SP	18 SCT	8					29	07		991		MS								
1852	SP	M16 BKN	8					27	08		992	1500	MS								
1855	SA	M16 OVC	8			132.65	58	28	08		992	1500	MS								
												1500	MS								
1930	SP	12 SCT M14 OVC	8					27	07		993	1500	MS								
1954	SA	12 SCT M14 OVC	8			135.64	58	27	07		993	1500	MS								
2047	SA	12 SCT M14 OVC	8			139.64	58	28	07		994	1500	MS								
2153	SA	10 SCT M13 OVC	7			139.64	58	31	05		994	1500	MS								
2251	SA	M13 OVC	6		H	139.64	58	20	06		994	1500	MS								

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related Basic observation.

FM12-VII: IIII IRIHVY Nddff 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP Sappp 6RRRrR 7wwW1W2 8HhCLCmCh plus regional and national data groups.
SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED. 115 QPO 1984 C 74 105 8035

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS										DATE JUN 8 1987					To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.						

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SEA COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SEA COVER	PRES- SURE TEND- ENCY	NET 3-HR. CHANG- E (In.)	SUN- SHINE (In.)	PRECE- PITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT								
00																						
01																						
02																						
03																						
0455	29.910				10										10							
0500	29.915				10										10							
0503	29.920				10	7	SC	M:5	3	SC	20	10			10	3	.025					
0549	29.945				10										10							
0646	29.940				10										10							
0742	29.935				10	10	SC	M:14							10	0	.005					
1051	29.925				10										10							
1150	29.920				10										10							
1246	29.910				10	10	SC	M:20							10	7	.025					
1349	29.890				10										10							
1449	29.880				7										7							
1550	29.880				6	6	SC	M:21							6	6	.030					
1652	29.870				3										3							
1751	29.870				6										6							
1855	29.880				10	0	SC	12	10	SC	M:16	10			10	5	.000					
1954	29.870				10										10							
2047	29.900				10										10							
2153	29.900				10	3	SC	10	7	SC	M:13	10			10	1	.020					
2251	29.900				10										10							
23																						

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (Kts)	STATE OF SKY	10	20	30	40	50	60	70	80	90
01	2357	1	0	0	0	65	64	X	X								
	0453	1	0	0	0	66	64										
	0945	1	0	0	0	66	64										
	1548	1	0	0	0	73	66										
	2151	1	0	0	0	71	63										
	2300	1	0	0	0	64	63	X	X								

STATION PRESSURE COMPUTATIONS									
TIME (LST)	23	24	25						
2357		29.915	29.920						
0453									
0945									
1548									
2151									
2300									

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT) (2300 P TO 2300 P)									
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND DIR. (°)	24-HR. WIND SPEED (Kts)	24-HR. THICK- NESS OF ICE ON WATER (In.)	24-HR. FROZEN GROUND WATER (In.)	24-HR. RIVER ICE
73	63	0	0	0	15	W	1600		

WEATHER & OBSTRUCTIONS TO VISION									
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
H	2230	CONT							

REMARKS, HAZARD AND OBSERVATIONS			
TIME: SUNRISE		TIME: SUNSET	
TOTAL CLOUDS	(In.)	PERCENT OF POSSIBLE CLOUDS	CHARACTER OF CLOUDS
PARTIAL CLOUDS	(In.)	OR PARTIAL WIND	OR PARTIAL WIND
TIME CHECK - CLOCK AT: 0500 P 0 Sec. / 0900 P 0 Sec. / 1600 P 0 Sec.			

MF1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		
SURFACE WEATHER OBSERVATIONS												DATE JUN 9 1987	TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT _____ HRS.	
TIME ZULU	TIME LOCAL	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (INCHES)	TEMP. (DEGREES)	DEW PT. (DEGREES)	WIND			ALTIMETER SETTING (INCHES)	REMARKS AND SUPPLEMENTAL CODED DATA (1-3)	OBSERVER (1-3)
			Surface	Upper					Direction	Speed	Character			
SA 0409		M 10 OVC	4		FH	129.63	59	00.00	991	/	63		AD	
SP 0532		M 9 OVC	3		L-FH			15.05	992				AD	
SA 0546		M 9 OVC	3		L-FH	132.63	59	15.04	992	4825	TOPS 025		AD	
SP 0617		9 SCT M 11 OVC	3		FH			12.05	992				AD	
SA 0649		9 SCT M 11 OVC	3		H	132.64	59	16.03	992	10500	1611 LE15		AD	
SP 0719		7 SCT M 10 OVC	3		H			16.04	993		SCT V BKN		AD	
SA 0750		7 SCT M 12 OVC	3		L-H	135.64	60	14.03	993	1340	SCT V BKN		AD	
SA 0847		8 SCT M 11 OVC	7			135.65	60	00.00	993	LE25			AD	
SA 0950		M 11 OVC	12			135.65	59	17.06	993	TOPS 026	00200 1611		AD	
										62				
SA 1047		M 13 OVC	10			132.67	59	19.04	992				AD	
SP 1120		12 SCT M 15 OVC	10					21.06	991	SUN	ONLY VSB		AD	
SA 1148		12 SCT M 15 OVC	10			129.68	60	18.08	991				AD	
SP 1223		18 SCT 23 - BKN	10					19.07	989				AD	
SA 1249		CLR	10			119.71	60	20.09	988	FEW ST	815 1600		AD	
SA 1349		CLR	10			115.72	60	19.10	987				AD	
SA 1449		CLR	10			112.72	60	18.11	986				AD	
SA 1550		11 SCT	8			105.69	60	23.69	984	1814	1500 72		AD	
SA 1647		11 SCT	6		H	105.70	60	24.68	984				AD	
SA 1746		11 SCT	5		H	108.67	59	28.08	985	1034	Line W		AD	
SP 1845		7 SCT	4		H			28.08	985				AD	
SA 1847		14 - BKN	4		H	108.67	59	27.07	985	1103	1500		AD	
SP 1907		M 11 BKN	4		H			28.06	986				AD	
L 1922		M 11 OVC	4		H			28.06	985	1 FEW SML	9100		AD	
SA 1946		M 11 OVC	5		H	112.64	59	29.06	986				AD	
SA 2050		M 11 OVC	4		H	115.64	58	30.06	987				AD	
SA 2151		M 11 OVC	4		FH	115.64	59	26.03	987	1107	1511 72		AD	
SA 2246		M 11 OVC	5		FH	115.63	54	14.06	987	1645T			AD	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: IIII 1R1ghVV Nddff 1s0TTT 2s0TdTd 3P0P0P0P0 4PPPP 5appp 6RRRR 7wwW1W2 8NhCLCMCh plus regional and national data groups.
SUPERSEDES MF 1-10A (1-8-82) WHICH MAY BE USED. U.S.GPO 1984-0-784-005-8085

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																			
SURFACE WEATHER OBSERVATIONS												DATE JUN 9 1987										To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.									
												CLOUDS AND OBSCURING PHENOMENA																			
TIME (LST)	STATION PRESSURE (In.)	DPT. WIND (Kts)	WET WIND (Kts)	REL. HUMIDITY (%)	TOTAL SEA COVER	LOWEST LAYER				SECOND LAYER				THIRD LAYER				FOURTH LAYER				TOTAL SEA COVER	PRES. ON SURFACE CORRECTION (In.)	NET WIND CHANGES (Kts)	SUR- FACE WIND (Kts)	PRECIP- ITATION (In.)					
						AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT														
00																															
01																															
02																															
03																															
04	47	29.870			10															10											
05	48	29.880			10															10					T						
06	49	29.880			10	2	ST	9	10	ST	MII	10							10	1	.015			T							
07	50	29.890			10															10					T						
08	47	29.890			10															10					T						
09	50	29.885			10	10	ST	MII												10	0	.005									
10	47	29.880			10															10											
11	48	29.885			10															10											
12	49	29.840			0	0	ST	23												0	8	.045									
13	49	29.830			0															0											
14	49	29.820			0															0											
15	50	29.800			1	1	SC	11												1	8	.040									
16	49	29.800			3															3											
17	49	29.810			3															3											
18	47	29.810			0	8	SC	14												1	1	.010									
19	46	29.820			10															10											
20	50	29.825			10															10											
21	51	29.830			10	10	SC	MII												10	1	.020									
22	46	29.825			10															10											
23																															

SYNOPTIC OBSERVATIONS																		STATION PRESSURE COMPUTATIONS									
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	REL. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF CLOUDS	31	32	33	34	35	36	37	38	TIME (LST)	ATT. THERM.	60	61	62	63	64	65			
0447	0447	1	0	0	0	64	63										0745	5.56	2446								
0947	0947	1	0	0	0	66	62																				
1545	1545	1	0	0	0	72	65																				
2145	2145	1	0	0	0	71	63																				
2300	2300	1	0	0	0	64	63																				

SUMMARY OF DAY (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION													
20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)	20HR. WIND (Kts)
72	62	7	0	0	16	SW	1524																		

TIME: SUNRISE				SUNSET			
TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE	CHARACTER OF SURFACE	CHARACTER OF SURFACE	TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE	CHARACTER OF SURFACE	CHARACTER OF SURFACE

TIME CHECK - CLOCK AT: 0500P				± 0 Sec./1000P				± 0 Sec./1530P				± 1 Sec.			

WEATHER & OBSTRUCTIONS TO VISION					
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	0830	0830			
F	0630	0630			
L	0525	0615			
L	0740	0825			
H	1630	0845			
F	2140	0845			

MP1-108 (10-83)

SUPERSEDES MP1-108 (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/808

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUN 10 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT	
TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. OF AIR IN SHADE	WIND DIRECTION IN DEGREES	WIND SPEED IN KNOTS	WIND CHILL IN DEGREES	WIND GUST IN KNOTS	ALTIMETER READING IN INCHES	REMARKS AND SUPPLEMENTAL CODED DATA			
		Surface	Tower												
SA 0452	M 7 OVC	4		L-F	112.63	59	1505				986	/ 62			
SA 0548	M 7 OVC	4		L-F	115.63	59	1406				987				
SP 0634	7 SCT M 8 OVC	4		L-F			1305				988	/ TAPS 022			
SA 0649	M 8 OVC	5		L-FH	119.63	59	1804				988	/ 30500 1611			
SP 0710	6 SCT M 8 OVC	5		L-FH			1706				988				
SA 0750	7 SCT M 9 OVC	5		FH	122.63	59	1606				989	/ 415			
SP 0808	8 SCT M 10 OVC	6		H			2004				989				
SA 0848	8 SCT M 10 OVC	6		H	122.64	59	1706				989	/ TAPS 025			
SA 0950	M 10 OVC	7			125.64	59	1706				990	/ 20700 1611 62			
SA 1048	M 11 OVC	7			129.65	59	1505				991				
SA 1148	M 11 OVC	7			129.67	59	1707				991				
SA 1248	M 11 OVC	8			125.67	59	1509				990	/ LRG BINCVC W-HF 002 1611			
SP 1327	12 SCT	10					1909				989	/ 5 CT V OKW			
SA 1349	14 SCT	11			119.69	60	1909				988				
SA 1449	14 SCT	11			115.68	60	1908				987				
SA 1552	14 SCT	13			109.67	59	1608				985	/ 715 1500 70			
SA 1648	17 SCT	11			108.66	59	1510				985				
SA 1750	13 SCT	11			108.64	58	1708				985				
SA 1848	10-BKN	13			112.63	58	1700				986	/ 303 1500			
SP 1900	M 10 BKN	13					1507				986				
SA 1947	M 12 OVC	10			115.63	58	1806				987				
SA 2048	M 11 OVC	9			114.62	57	1707				988				
SA 2150	M 10 OVC	8			122.62	57	1805				989	/ 100 1511 70			
SA 2240	M 11 OVC	7			122.62	57	2306				989	/ LAST			

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: IIII RghVV Nddff lsgTTT 2sgTdTdTd 3PoPoPoPo 4PPPP Sgppp 6RRRrR 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A 11-82 WHICH MAY BE USED. U.S. GPO 1984-0-784-008/8085

U S G P O 1 9 3 0 7 5 4 0 0 2 4 0 0 0

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS				DATE JUN 11 1987									
				TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 12 HRS									
TIME LOCAL	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Inches	TEMP. Air F	DEW POINT F	WIND DIR. Deg	WIND SPEED Kts	WIND CHANGING Incl	ALTIMETER SETTING Inches	REMARKS AND SUPPLEMENTAL CODED DATA (1-6)	OBSERVER (1-6)
		Surface	Under										
SA 0452	M 10 OVC	4		FH	115.62	57	00	00			987	61	AD
SA 0545	M 11 OVC	4		FH	119.63	57	00	00			988		AD
SA 0649	M 11 OVC	4		FH	122.63	57	16	05			989	305 16 11 * 70PS 024	AD
SA 0749	M 13 OVC	4		HK	129.64	57	13	05			991		AD
SA 0811	M 145 OVC	4		HK			21	06			991		AD
SA 0848	M 15 OVC	4		HK	132.65	57	21	05			992		AD
SA 0949	M 18 OVC	3		HK	139.67	57	17	03			994	THN SPOTS 1200/215 16/161	AD
SA 1033	20-BKN	4		HK			18	10			995		AD
SA 1051	20-BKN	4		HK	142.68	57	18	08			995		AD
SA 1152	CLR	5		H	142.69	57	19	08			995	FEW ST C1	AD
SA 1250	CLR	6		H	142.70	58	18	08			995	FEW ST C1/105 1601	AD
SA 1351	250-SCT	12			142.70	57	17	09			995		ML
SA 1449	250-SCT	15			139.70	56	19	09			994		ML
SA 1555	250-SCT	15			124.71	55	18	10			991	1914 1601 71	BS
SA 1657	250-SCT	15			125.71	55	31	06			990		BS
SA 1755	CLR	15			124.68	55	27	08			991	FEW C1	BS
SA 1853	250-SCT	20			132.61	55	28	04			992	1302 1001	BS
SA 1950	CLR	20			135.62	55	26	06			993	FEW C1	BS
SA 2049	CLR	20			146.62	55	26	05			996		BS
SA 2150	CLR	20			149.61	55	24	05			997	1119 72	BS
SA 2248	CLR	20			152.60	55	23	05			998	1645T	BS

A synoptic observation using WMO code FM12-VII, as described in FMH-7, is entered on line following related Basic observation.

FM12-VII: 1101 R12 HVV Mddff 1a TTT 2a Td Td 3P0 P0 P0 4PPPP 5a pppp 6RRR!R 7wwW1W2 8Nn CLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S. GPO 1983-0-884-008/8010

MF1-108 10-831		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE JUN 11 1987										To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.									

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O. COVER (%)	PRES. TEND. (In.)	WIND DIR. (°)	WIND SPEED (MPH)	WIND GUST (MPH)	PRECIPITATION (In.)						
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER														
1A	1B	1C	1D	1E	1F	2A	2B	2C	2D	2E	2F	3A	3B	3C	3D	3E	3F	4A	4B	4C	4D	4E	4F	5A	5B	5C	5D	5E	5F
00																													
01																													
02																													
03																													
04	52	29.825				10																	10						
05	49	29.835				10																10							
06	49	29.850				10	10	ST	M11													10	3	0.15					
07	49	29.870				10																10							
08	48	29.830				10																10							
09	49	29.875				10	10	ST	M18													10	2	0.45					
10	51	29.910				8																4							
11	52	29.910				0																0							
12	50	29.910				0	0	ST	22	0	CI	250	0									0	1	0.15					
13	51	29.905				1																0							
14	49	29.895				2																0							
15	55	29.870				1	1	CI	250													0	2	0.40					
16	47	29.860				1																0							
17	55	29.865				0																0							
18	53	29.875				1	1	CI	250													0	3	0.05					
19	52	29.885				0																0							
20	46	29.920				0																0							
21	50	29.930				0																0	1	0.55					
22	46	29.935				0																0							
23																													

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF SKY	1A	1B	1C	1D	1E	1F	2A	2B	2C
0000	2300																
0450	2450	1	0	0	0	62	61										
0947	0947	1	0	0	0	62	61										
1550	1550	1	0	0	0	71	67										
2145	2145	1	0	0	0	72	61										
2300	2300	1	0	0	0	61	60										

STATION PRESSURE COMPUTATIONS																	
TIME (LST)	1A	1B	1C	1D	1E	1F	2A	2B	2C	2D	2E	2F	3A	3B	3C	3D	3E
0946																	
1951																	
2146																	

SUMMARY OF DAY WEATHER TO 2300P (2300P TO 2300P)																	
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. (In.)	24-HR. SNOWFALL (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (MPH)	24-HR. WIND DIR. (°)	24-HR. WIND GUST (MPH)	24-HR. WIND CHILL (°F)	24-HR. WIND RELATIVE HUMID. (%)	24-HR. WIND VISIBILITY (Miles)	24-HR. WIND WAVE PERIOD (Sec.)	24-HR. WIND WAVE HEIGHT (Feet)	24-HR. WIND WAVE DIRECTION (°)	24-HR. WIND WAVE PERIOD (Sec.)	24-HR. WIND WAVE HEIGHT (Feet)	24-HR. WIND WAVE DIRECTION (°)	24-HR. WIND WAVE PERIOD (Sec.)
67	60	0	0	0	15	S	1322										

WEATHER & OBSTRUCTIONS TO VISION																	
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED												
F	UNKN	0730															
H	UNKN	1320															
K	0730	1120															

REMARKS AND SPECIAL OBSERVATIONS																	
TIME: SUNRISE SUNSET TOTAL SUNSHINE (MIN.): PERCENT OF POSSIBLE SUNSHINE: CHARACTER OF SUNSET: PARTLY OBSERVED OR PARTLY UNKN. OR PARTLY UNKN. ASSOCIATED CLOUDS: TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 1000P ± 0 Sec. / 153P ± 0 Sec.																	

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUN 12 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT _____ HRS	
TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm.	TEMP °F	DEW PT °F	WIND			ALTIM ETER SET TING mm.	REMARKS AND SUPPLEMENTAL CODED DATA	COR RECTED TEMP (°F)	
			Surface	Lower					Dir	Sp	Max				
SA	0553	M 9 OVC	4		FM	156	59	55	00	00		994	/ 58	AD	
SP	0525	M 10 OVC	4		FM				02	03		000		AD	
SA	0547	M 11 OVC	4		FM	163	60	55	01	04		001		AD	
SA	0647	M 11 OVC	4		FM	166	61	56	06	03		002	* 119 16 // * TOPS 020	AD	
SA	0750	M 11 OVC	4		H	169	62	56	10	03		003		AD	
SA	0847	M 14 OVC	4		H	173	65	56	00	00		004	THN SPOTS OVC	AD	
SP	0903	M 15 OVC	4		H				13	04		004	THN SPOTS OVC	AD	
SA	0949	M 17 BKN	5		H	176	66	56	19	07		005	108 1500 58	AD	
SP	1009	18 SCT	5		H				14	05		004		AD	
SA	1050	18 SCT	5		H	176	69	56	18	07		005		AD	
SA	1150	CLR	5		H	180	68	56	18	11		006	FEW SC	AD	
SA	1250	CLR	6		H	180	70	57	20	10		006	FEW SC W / 102 1500	AD	
SA	1349	CLR	8			180	71	57	19	09		006		ML	
SA	1449	CLR	10			176	73	56	29	07		005		ML	
SA	1550	CLR	10			176	71	56	25	10		005	603 74	SLW	
SA	1653	CLR	8			176	70	56	28	08		005		SLW	
SA	1751	CLR	8			176	68	56	28	08		005		SLW	
SA	1855	CLR	8			183	63	55	29	08		007	307	SLW	
SA	1947	CLR	8			186	62	56	28	07		004		SLW	
SA	2052	CLR	8			193	61	55	29	06		010		SLW	
SA	2154	CLR	8			193	60	55	29	05		010	110 74	SLW	
SA	2253	CLR	7			193	60	55	27	04		010	LAST	SLW	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII IIII R12HVV Nddff 1anTTT 2anTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRr 7wwW1W2 8NnCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-684-008/8010

U.S. GPO 1983-0-754-074/8025

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUN 13 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS	
TIME LOCAL	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Inches	TEMP Air F	DEW PT F	WIND				ALTIM ETER SET TING Inches	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER	
		SURFACE	UPPER					DIRECT	SPEED	CHANGING	WAVE				PERIOD
SP 0555	E1C OVC	3		FH	1966	61	57	28	06		008	/ 54	AMS		
SA 0544	M11 OVC	3		FH	1904	61	57	26	06		004		AMS		
SA 0617	M12 OVC	3		FH	1906	62	57	26	06		004	/ 107 1611	AMS		
SA 0751	M12 OVC	5		FH	1946	63	57	27	07		011		AMS		
SA 0847	M12 OVC	5		H	1946	63	57	35	05		011		AMS		
SA 0950	M15 OVC	5		H	1936	67	57	33	03		010	/ 003 1511 54	AMS		
L 1029	E15 BKN	6		H				02	04		004		AMS		
SP 1040	153LT 250-OVC	7			146			20	05		009		AMS		
SA 1052	250-OVC	7			1907	73	57	24	05		009	/ FEW SC	AMS		
SA 1150	250-OVC	10			1907	76	56	18	10		009		AMS		
SA 1246	250-BKN	13			1837	71	57	16	12		007	/ B1C 1008	AMS		
SP 1333	300-SCT	12						28	09		007	/ WND 24V33 USHFT 312W	AMS		
SA 1355	300-SCT	12			1807	76	57	28	07		006	/ WND 23V31	AMS		
SA 1451	300 SCT	12			1767	73	56	29	12		005	/ FEW SC AC SW-W	AMS		
SA 1550	200 SCT 300 SCT	12			1737	71	56	29	10		004	/ FEW SC CNT SW	AMS		
												/ 710 1531 77			
SA 1649	180 SCT	10			167	68	56	28	10		003	/ VSBY LWR W-NW	AMS		
SA 1753	180 SCT	8			167	65	56	27	09		003		AMS		
SA 1855	180 SCT 300 SCT	8			169	62	56	29	10		003	/ ST BANK W-NW *CNT	AMS		
												/ 003 1632			
SA 1948	180 SCT 300 SCT	8			161	61	56	28	08		003		AMS		
SA 2054	12 SCT 180 SCT	7			173	60	55	27	08		004		AMS		
SA 2151	180 SCT 300 SCT	7			176	60	55	28	07		005	/ FEW ST / 307 1631 77	AMS		
SP 2226	E12 BKN 180 OVC	6		H				30	08		005	/ CIG RG-D	AMS		
SA 2255	M12 OVC	6		H	176	60	55	28	06		005	/ CIG RG-D LAST	AMS		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IRIHVY Nddff IeNTT 2eTdTd 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8NhCLCMCh plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-684-008/8010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LUNG BEACH, CALIF. (DAUGHERTY FIELD)																					
SURFACE WEATHER OBSERVATIONS												DATE JUN 13 1987				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.																	
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SEA COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O. PAKET END- SEV COVER	PRES- SURE TEND- EN- CY	WET BULB CHARGE (In.)	SUN- SHINE (Min.)	PREC- IPITATION (In.)											
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER																		
ANY	TYPE	HEIGHT	ANY	TYPE	HEIGHT	ANY	TYPE	HEIGHT	ANY	TYPE	HEIGHT	ANY	TYPE	HEIGHT																			
00																																	
01																																	
02																																	
03																																	
04	55	30.440			10										10																		
05	49	30.080			10										10																		
06	47	30.650			10	10	ST	M12							10	1	.020																
07	51	30.070			10										10																		
08	47	30.065			10										10																		
09	52	30.060			10	10	SC	M15							10	0	.010																
10	52	30.050			10										5																		
11	50	30.045			10										4																		
12	46	30.030			9	9	CS	250							3	8	.030																
13	55	30.020			3										1																		
14	51	30.010			1										1																		
15	50	30.000			1	0	SC	12	1	AC	200	1	0	CI	300	1	7	.030															
16	49	29.990			1										1																		
17	53	29.990			2										2																		
18	55	29.990			3	0	ST	10	2	AC	180	2	1	CI	300	3	6	.010															
19	48	29.990			3										3																		
20	54	30.000			3										3																		
21	51	30.010			4	0	ST	12	3	AC	180	3	1	CI	300	4	3	.020															
22	55	30.010			10										10																		
23																																	

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SHOW FALL (In.)	SHOW DEPTH (In.)	WAT. TEMP. (°F)	WIND TEMP. (°F)	STATE OF SKY	1	2	3	4	5	6	7	8	9
01	0500	1	0	0	0	61	59	XX									
02	0545	1	0	0	0	61	59										
03	0647	1	0	0	0	67	61										
04	1548	1	0	0	0	77	67										
05	2149	1	0	0	0	71	59										
06	2300	1	0	0	0	60	59	XX									

SUMMARY OF DAY (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION							
SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	SO. WIND TEMP. (°F)	TYPE BEGAN (H)	ENDED (H)	TYPE BEGAN (H)	ENDED (H)				
77	59	0	0	0	0	17	W	1623				F	UNKN	0830					
												H	UNKN	1035					
												H	2215	CONT					

SUNRISE				SUNSET			
TIME	MIN.	SEC.	CHARACTER	TIME	MIN.	SEC.	CHARACTER
TOTAL				TOTAL			
PARTIAL				PARTIAL			
TIME CHECK - CLOCK AT: 0546P ± 0sec. 1600P ± 0sec. 2200P ± 0sec.							

MP1-10A (3-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)						
SURFACE WEATHER OBSERVATIONS												DATE JUN 14 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS				
TIME PLST	TIME LST	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mb	TEMP DB	WIND DIR	WIND SPEED Kts	WIND GUST Kts	WIND SHEAR Kts	WIND DIRECTION Kts	WIND SPEED Kts	WIND GUST Kts	WIND SHEAR Kts	WIND DIRECTION Kts	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
			41	40														
020457		M120VC	7			166	61	55	24	03		002	159				RMS	
020548		M120VC	8			169	61	55	27	06		003	Tops 022				RMS	
020650		M140VC	13			173	61	55	27	06		004	1305 1511				RMS	
020739		M160VC	12						27	06		005					RMS	
020752		M190VC	12			176	62	53	26	06		005					RMS	
020849		M200VC	12			173	64	53	25	04		004					RMS	
020913		M230VC	12						19	08		004	1TOPS 030				RMS	
020951		M230VC	12			173	64	53	21	08		004	1FEW SML BULOC /				RMS	
													1000 1511 59					
021049		M250VC	12			173	67	53	22	09		004					RMS	
021059		25SCT	12						18	10		004	1SCT ONLY PAN				RMS	
021152		CLR	13			169	69	53	17	09		003					RMS	
021246		CLR	15			163	69	53	19	10		001	1810				RMS	
021353		CLR	15			159	71	54	18	13		000	FEW SC DSNT SW-NW				RMS	
021407		CLR	15						28	07		000	WSHFT 03 FEW SC				RMS	
													DSNT SW-NW WND 22					
													V33					
021451		CLR	15			156	73	53	26	10		999	FEW SC DSNT S-W				RMS	
													WND 21V68					
021550		CLR	15			156	70	54	27	08		999	FEW SC DSNT S AND				RMS	
													W/ 1607 1500 74					
021647		CLR	20			152	68	52	25	08		998	FEW SC DSNT S				RMS	
021752		CLR	20			152	66	53	26	09		998					RMS	
021854		CLR	20			156	64	52	27	10		999	FEW ST SW/ 500 1600				RMS	
021955		CLR	20			156	62	54	27	08		999	FEW ST				RMS	
022048		CLR	20			159	62	53	25	05		000					RMS	
022150		12 SCT	20			163	61	56	29	07		001	307 1600 74				RMS	
022251		12 SCT	15			166	61	55	25	07		002	LAST				RMS	

A synoptic observation using WMO code FM12-VII, as described in FMH-7, is entered on line following related Basic observation.

FM12-VII: IIIII IRIHVV NddH IsnTTT 2nTdTdTd 3PoPoPoPo 4PPPP Sappp 6RRRrR 7wwW1W2 8NnCLCmCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S. GPO: 1983-0-284-008/010

U.S. GPO 1983-0-734-000/0000

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUN 15 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.	
TIME Z	TYPE	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP OF AIR °F	DEW PT °F	WIND			ALTIM ETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBS. CORRECTION (14)	
			SURFACE	DOWN					DIRECTION	SPEED	CHANGING				
0449	SA	CLR	15			166	57	52	00	00		002	MTN PKS VSB N-E 56	AD	
0548	SA	CLR	14			169	60	55	36	03		003	FEW SC W	AD	
0648	SA	CLR	14			173	63	55	00	00		004	FEW SC / 305 1500	AD	
0749	SA	15 SCT	14			173	67	54	26	05		004		AD	
0849	SA	CLR	14			169	70	53	28	05		003	FEW SC E	AD	
0949	SA	CLR	15			169	73	53	28	04		003	FEW CU SW / 002 1100 56	AD	
1050	SA	CLR	20			169	74	52	25	09		003	VSBY LWR NE-E. FEW CU SW	AD	
1149	SA	CLR	30			166	75	51	27	10		002	VSBY LWR NE-E	AD	
1248	SA	CLR	30			159	76	53	27	09		000	VSBY LWR NE-E / 810	AD	
1349	SA	CLR	30			159	76	53	28	11		000		ML	
1449	SA	CLR	30			159	74	54	26	13		000	SC W-NW	ML	
1550	SA	CLR	30			156	71	55	27	13		009	SC SW-W HAZ N / 800	RES	
													1500 76		
1649	SA	CLR	30			152	70	50	27	13		998	SC SW-W HAZ N	RES	
1753	SA	CLR	30			152	68	55	24	10		998	SC SW-W HAZ N	RES	
1850	SA	CLR	30			152	65	54	26	11		998	1603	RES	
1950	SA	CLR	35			149	64	54	26	09		997		RES	
2053	SA	CLR	35			152	63	52	26	09		998		RES	
2150	SA	CLR	30			152	63	52	24	09		998	1500 76	RES	
2246	SA	CLR	30			152	62	55	20	05		998	1 LAST	RES	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 11. 1R12hVV Nddh 1a_nTTT 2a_nTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRr 7wwW1W2 8N_hCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED. U.S. GPO:1983-0-684-008/8010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE JUN 15 1987	
				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.	

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES- SURE TEND- ENCY (In.)	NET R- AINFALL (In.)	SUN- SHINE (In.)	PRE- CIP- ITATION (In.)										
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER																	
16	17	18	19	20	21	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																																
01																																
02																																
03																																
04	49	29.980				0													0													
05	48	29.990				0													0													
06	48	29.995				0	0	SC	12									0	3	.015												
07	49	30.000				1												1														
08	49	29.990				0												0														
09	49	29.990				0	0	CU	25									0	6	.005												
10	50	29.990				0												0														
11	49	29.975				0												0														
12	48	29.960				0												0	8	.030												
13	49	29.960				0												0														
14	49	29.955				0												0														
15	50	29.950				0	0	SC	15									0	8	.010												
16	49	29.940				0												0														
17	53	29.940				0												0														
18	50	29.940				0												0	6	.010												
19	50	29.930				0												0														
20	53	29.940				0												0														
21	50	29.940				0												0	5	.000												
22	46	29.940				0												0														
23																																

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (MPH)	STATE OF SKY	10	11	12	13	14	15	16	17	18
01	0547	1	0	0	0	61	56	XX									
02	0447	1	0	0	0	61	56										
03	0947	1	0	0	0	73	57										
04	1546	1	0	0	0	76	71										
05	2145	1	0	0	0	72	63										
06	2300	1	0	0	0	63	62	XX									

SUMMARY OF DAY (CURRENT TO PREVIOUS) (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION					
24-HR. WIND SPEED (MPH)	24-HR. WIND DIRECTION (°)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (MPH)	24-HR. WIND DIRECTION (°)	24-HR. WIND SPEED (MPH)	24-HR. WIND DIRECTION (°)	24-HR. WIND SPEED (MPH)	24-HR. WIND DIRECTION (°)	24-HR. WIND SPEED (MPH)	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
16	56	0	0	0	71	77	75	74	75	76	77	0					

TIME				SUNRISE				SUNSET			
				TOTAL DURATION (MIN.)				PERCENT OF POSSIBLE DURATION			
				PARTIAL OBSERVED DURATION				PARTIAL OBSERVED DURATION			
				TIME CHECK - CLOCK AT: 0500P				TIME CHECK - CLOCK AT: 1000P			
				TIME CHECK - CLOCK AT: 1500P				TIME CHECK - CLOCK AT: 2000P			
				TIME CHECK - CLOCK AT: 2500P				TIME CHECK - CLOCK AT: 3000P			
				TIME CHECK - CLOCK AT: 3500P				TIME CHECK - CLOCK AT: 4000P			
				TIME CHECK - CLOCK AT: 4500P				TIME CHECK - CLOCK AT: 5000P			
				TIME CHECK - CLOCK AT: 5500P				TIME CHECK - CLOCK AT: 6000P			
				TIME CHECK - CLOCK AT: 6500P				TIME CHECK - CLOCK AT: 7000P			
				TIME CHECK - CLOCK AT: 7500P				TIME CHECK - CLOCK AT: 8000P			
				TIME CHECK - CLOCK AT: 8500P				TIME CHECK - CLOCK AT: 9000P			
				TIME CHECK - CLOCK AT: 9500P				TIME CHECK - CLOCK AT: 10000P			
				TIME CHECK - CLOCK AT: 10500P				TIME CHECK - CLOCK AT: 11000P			
				TIME CHECK - CLOCK AT: 11500P				TIME CHECK - CLOCK AT: 12000P			
				TIME CHECK - CLOCK AT: 12500P				TIME CHECK - CLOCK AT: 13000P			
				TIME CHECK - CLOCK AT: 13500P				TIME CHECK - CLOCK AT: 14000P			
				TIME CHECK - CLOCK AT: 14500P				TIME CHECK - CLOCK AT: 15000P			
				TIME CHECK - CLOCK AT: 15500P				TIME CHECK - CLOCK AT: 16000P			
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				TIME CHECK - CLOCK AT: 19500P				TIME CHECK - CLOCK AT: 20000P			
				TIME CHECK - CLOCK AT: 20500P				TIME CHECK - CLOCK AT: 21000P			
				TIME CHECK - CLOCK AT: 21500P				TIME CHECK - CLOCK AT: 22000P			
				TIME CHECK - CLOCK AT: 22500P				TIME CHECK - CLOCK AT: 23000P			
				TIME CHECK - CLOCK AT: 23500P				TIME CHECK - CLOCK AT: 24000P			
				TIME CHECK - CLOCK AT: 24500P				TIME CHECK - CLOCK AT: 25000P			
				TIME CHECK - CLOCK AT: 25500P				TIME CHECK - CLOCK AT: 26000P			
				TIME CHECK - CLOCK AT: 26500P				TIME CHECK - CLOCK AT: 27000P			
				TIME CHECK - CLOCK AT: 27500P				TIME CHECK - CLOCK AT: 28000P			
				TIME CHECK - CLOCK AT: 28500P				TIME CHECK - CLOCK AT: 29000P			
				TIME CHECK - CLOCK AT: 29500P				TIME CHECK - CLOCK AT: 30000P			
				TIME CHECK - CLOCK AT: 30500P				TIME CHECK - CLOCK AT: 31000P			
				TIME CHECK - CLOCK AT: 31500P				TIME CHECK - CLOCK AT: 32000P			
				TIME CHECK - CLOCK AT: 32500P				TIME CHECK - CLOCK AT: 33000P			
				TIME CHECK - CLOCK AT: 33500P				TIME CHECK - CLOCK AT: 34000P			
				TIME CHECK - CLOCK AT: 34500P				TIME CHECK - CLOCK AT: 35000P			
				TIME CHECK - CLOCK AT: 35500P				TIME CHECK - CLOCK AT: 36000P			
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				TIME CHECK - CLOCK AT: 37500P				TIME CHECK - CLOCK AT: 38000P			
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				TIME CHECK - CLOCK AT: 39500P				TIME CHECK - CLOCK AT: 40000P			
				TIME CHECK - CLOCK AT: 40500P				TIME CHECK - CLOCK AT: 41000P			
				TIME CHECK - CLOCK AT: 41500P				TIME CHECK - CLOCK AT: 42000P			
				TIME CHECK - CLOCK AT: 42500P				TIME CHECK - CLOCK AT: 43000P			
				TIME CHECK - CLOCK AT: 43500P				TIME CHECK - CLOCK AT: 44000P			
				TIME CHECK - CLOCK AT: 44500P				TIME CHECK - CLOCK AT: 45000P			
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				TIME CHECK - CLOCK AT: 46500P				TIME CHECK - CLOCK AT: 47000P			
				TIME CHECK - CLOCK AT: 47500P				TIME CHECK - CLOCK AT: 48000P			
				TIME CHECK - CLOCK AT: 48500P				TIME CHECK - CLOCK AT: 49000P			
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				TIME CHECK - CLOCK AT: 50500P				TIME CHECK - CLOCK AT: 51000P			
				TIME CHECK - CLOCK AT: 51500P				TIME CHECK - CLOCK AT: 52000P			
				TIME CHECK - CLOCK AT: 52500P				TIME CHECK - CLOCK AT: 53000P			
				TIME CHECK - CLOCK AT: 53500P				TIME CHECK - CLOCK AT: 54000P			
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				TIME CHECK - CLOCK AT: 57500P				TIME CHECK - CLOCK AT: 58000P			
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				TIME CHECK - CLOCK AT: 60500P				TIME CHECK - CLOCK AT: 61000P			
				TIME CHECK - CLOCK AT: 61500P				TIME CHECK - CLOCK AT: 62000P			
				TIME CHECK - CLOCK AT: 62500P				TIME CHECK - CLOCK AT: 63000P			
				TIME CHECK - CLOCK AT: 63500P				TIME CHECK - CLOCK AT: 64000P			
				TIME CHECK - CLOCK AT: 64500P				TIME CHECK - CLOCK AT: 65000P			
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				TIME CHECK - CLOCK AT: 66500P				TIME CHECK - CLOCK AT: 67000P			
				TIME CHECK - CLOCK AT: 67500P				TIME CHECK - CLOCK AT: 68000P			
				TIME CHECK - CLOCK AT: 68500P				TIME CHECK - CLOCK AT: 69000P			
				TIME CHECK - CLOCK AT: 69500P				TIME CHECK - CLOCK AT: 70000P			
				TIME CHECK - CLOCK AT: 70500P				TIME CHECK - CLOCK AT: 71000P			
				TIME CHECK - CLOCK AT: 71500P				TIME CHECK - CLOCK AT: 72000P			
				TIME CHECK - CLOCK AT: 72500P				TIME CHECK - CLOCK AT: 73000P			
				TIME CHECK - CLOCK AT: 73500P				TIME CHECK - CLOCK AT: 74000P			
				TIME CHECK - CLOCK AT: 74500P				TIME CHECK - CLOCK AT: 75000P			
				TIME CHECK - CLOCK AT: 75500P				TIME CHECK - CLOCK AT: 76000P			
				TIME CHECK - CLOCK AT: 76500P				TIME CHECK - CLOCK AT: 77000P			
				TIME CHECK - CLOCK AT: 77500P				TIME CHECK - CLOCK AT: 78000P			
				TIME CHECK - CLOCK AT: 78500P				TIME CHECK - CLOCK AT: 79000P			
				TIME CHECK - CLOCK AT: 79500P				TIME CHECK - CLOCK AT: 80000P			
				TIME CHECK - CLOCK AT: 80500P				TIME CHECK - CLOCK AT: 81000P			
				TIME CHECK - CLOCK AT: 81500P				TIME CHECK - CLOCK AT: 82000P			
				TIME CHECK - CLOCK AT: 82500P				TIME CHECK - CLOCK AT: 83000P			
				TIME CHECK - CLOCK AT: 83500P				TIME CHECK - CLOCK AT: 84000P			
				TIME CHECK - CLOCK AT: 84500P				TIME CHECK - CLOCK AT: 85000P			
				TIME CHECK - CLOCK AT: 85500P				TIME CHECK - CLOCK AT: 86000P			
				TIME CHECK - CLOCK AT: 86500P				TIME CHECK - CLOCK AT: 87000P			
				TIME CHECK - CLOCK AT: 87500P				TIME CHECK - CLOCK AT: 88000P			
				TIME CHECK - CLOCK AT: 88500P				TIME CHECK - CLOCK AT: 89000P			
				TIME CHECK - CLOCK AT: 89500P				TIME CHECK - CLOCK AT: 90000P			
				TIME CHECK - CLOCK AT: 90500P				TIME CHECK - CLOCK AT: 91000P			
				TIME CHECK - CLOCK AT: 91500P				TIME CHECK - CLOCK AT: 92000P			
				TIME CHECK - CLOCK AT: 92500P				TIME CHECK - CLOCK AT: 93000P			
				TIME CHECK - CLOCK AT: 93500P				TIME CHECK - CLOCK AT: 94000P			
				TIME CHECK - CLOCK AT: 94500P				TIME CHECK - CLOCK AT: 95000P			
				TIME CHECK - CLOCK AT: 95500P				TIME CHECK - CLOCK AT: 96000P			
				TIME CHECK - CLOCK AT: 96500P				TIME CHECK - CLOCK AT: 97000P			
				TIME CHECK - CLOCK AT: 97500P				TIME CHECK - CLOCK AT: 98000P			
				TIME CHECK - CLOCK AT: 98500P				TIME CHECK - CLOCK AT: 99000P			
				TIME CHECK - CLOCK AT: 99500P				TIME CHECK - CLOCK AT: 100000P			

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)								
SURFACE WEATHER OBSERVATIONS				DATE JUN 16 1987								
				TO CONVERT LST TO GMT ADD -8 HRS SUBTRACT _____ HRS								
TIME ZLT	SKY AND CEILING Hundred Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mb	TEMP °F	WIND			ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER	
						DIRECT	SPEED	CHANGING				
1	2	3	4	5	6	7	8	9	10	11	12	13
SA 0449	7 SCT	15		149.58	56	01	03			997	/ 57	AD
SA 0550	CLR	12		152.60	56	03	04			998	/ ST SE-SW	AD
SA 0648	CLR	10		156.64	56	00	00			999	/ FEW ST / 307 / 600	AD
SA 0751	CLR	10		156.69	56	30	03			999	/ FEW ST	AD
SA 0848	CLR	12		156.72	56	16	04			999		AD
SA 0950	CLR	14		156.71	57	16	08			999	/ 802 57	AD
SA 1051	CLR	15		152.71	56	18	08			998		AD
SA 1152	CLR	20		149.74	55	19	10			997	/ FEW ST DSNT W	AD
SA 1250	CLR	20		142.78	56	17	09			995	/ 814	AD
SA 1349	CLR	20		139.81	57	29	12			994	/ FEW SC DSNT W	JSW
L 1423	CLR	20			78	56	28	12		994	/ (ACFT MISHAF)	JSW
SA 1449	CLR	20		139.77	56	27	13			994	/ FEW SC DSNT W	JSW
SA 1550	CLR	25		139.73	56	26	14			994	/ 1703 82	JSW
SA 1647	CLR	25		139.72	55	27	12			994		JSW
SA 1740	CLR	25		139.70	56	29	10			994		JSW
SA 1851	CLR	30		142.66	55	24	10			995	/ 303	JSW
SA 1949	CLR	30		146.67	55	30	04			996		JSW
SA 2049	CLR	30		146.63	55	30	08			996		JSW
SA 2150	CLR	25		146.62	54	29	09			996	/ 105 82	JSW
SA 2240	CLR	25		146.61	55	24	05			996	/ LAST	JSW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IRIHVY Nddff 10TTT 20TdTd 3PoPoPoPo 4PPPP 5pppp 6RRRR 7www1W2 8NCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.GPO:1983-0-884-008/010

MF 1-100 (10-03)

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)										
SURFACE WEATHER OBSERVATIONS				DATE JUN 17 1987										
				TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u> </u> HRS										
TYPE 1	TIME 2	SKY AND CEILING 3 Hundred Feet	VISIBILITY Miles 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6	TEMP 7	DEW PT. 8	WIND 9-11			ALTIMETER SETTING 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	CORRECTION 14
			SURFACE 1A	TOWER 4A					DIRECTION 9A	SPEED 9B	CHARACTER 9C			
SA	0453	CLR	6		FA	146	59	56	10	03		996	FEW ST W 58	AD
SA	0550	CLR	6		FA	149	60	56	14	06		997	1ST DS. T NE-SE	AD
SA	0648	CLR	7			152	64	56	00	00		998	1ST NE-SW / 210 1600	AD
SA	0749	CLR	10			156	66	56	13	04		999	1ST SE-SW	AD
SA	0852	CLR	12			156	68	57	18	07		999	1ST SE-SW	AD
SA	0949	CLR	10			156	69	57	17	10		999	1103 58	AD
SA	1049	CLR	8			159	68	57	18	09		000		AD
SA	1148	CLR	10			159	70	57	17	10		000		AD
SA	1248	CLR	12			159	70	56	19	09		000	1103	AD
SA	1349	CLR	15			156	73	56	18	08		999		ML
SA	1449	CLR	15			149	76	56	16	09		997	CL SE	ML
SA	1550	CLR	15			146	75	55	15	09		996	FEW CL CEN-SE / 714 8LW	
SP	1600	CLR	15						29	07		995	1001 76 WSHFT 03 FEW CL CEN 8LW SE WNC 24V31	
SA	1655	CLR	15			142	76	58	28	10		995		8LW
SA	1751	CLR	15			142	73	57	28	10		995		8LW
SA	1854	CLR	15			146	68	56	28	09		996	500	8LW
SA	1947	CLR	15			149	65	57	29	06		997		8LW
SA	2049	CLR	15			156	64	55	34	05		999		8LW
SA	2152	CLR	15			159	63	55	31	04		000	114 78	8LW
SA	2253	CLR	15			159	61	54	01	03		000	LAST	8LW

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: 1100 (R)zhVV Nddff 1aTTT 2aTdTdD 3PoPoPoPo 4PPPP 5appp 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.
 SUPERSEDES MP 1-10A (11-82) WHICH MAY BE USED. U.S.GPO:1983-0-884-008/8010

8 U.S.G. 10030-204-0010000

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS				DATE JUN 18 1987									
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.									
TIME ZULU 2	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. MM HG 5	TEMP DB 7	DEW PT 8	WIND			ALTIM ETER SET TING INCH 2	REMARKS AND SUPPLEMENTAL CODED DATA (10)	OBS SERIES 101
		SURFACE 101	TOWER 40					DIRE 00-90 9	SPEED KTS 10	CHAR ACTER 11			
SA 0455	M11 OVC	5		H	166	62	56	12	07		002	/ 59	AD
SA 0548	M11 OVC	6		H	169	61	56	17	05		003		AD
SA 0649	M12 OVC	2		H	180	62	56	14	05		006	/ TOPS 018 319 16 //	AD
SP 0734	14 SCT	5		H				17	03		005		AD
SA 0752	14 - SCT	7			176	64	55	14	09		005		AD
SA 0852	17 - SCT	7			176	67	56	15	06		005		AD
SA 0950	CLR	7			176	69	56	16	04		005	/ 602 59	AD
SA 1051	CLR	10			176	70	55	18	08		005		AD
SA 1153	CLR	15			176	69	55	17	08		005		AD
SA 1248	CLR	15			176	71	54	17	09		005	/ 400	AD
SA 1349	CLR	15			176	72	57	18	11		005		M1
SA 1449	CLR	15			169	70	57	19	11		003		M1
SA 1550	CLR	15			166	72	56	14	10		002	/ 710 72	2LW
SA 1649	CLR	15			159	73	55	18	09		000		2LW
SP 1656	CLR	15						27	08		000	/ WSHFT 2053 WNC 2203	2LW
SA 1751	CLR	12			159	71	57	27	11		000		2LW
SA 1855	CLR	14			159	66	56	28	10		000	/ FEW CL BNT S / 607	2LW
SA 1949	CLR	12			163	64	55	28	09		001	1002	2LW
SA 2053	CLR	12			166	63	55	29	07		002		2LW
SA 2150	CLR	12			166	63	55	00	00		002	/ 107 75	2LW
SA 2255	CLR	12			166	62	55	03	04		002	/ LAST	2LW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1012 HVV Nddff 1s nTTT 2s nTdTdTd 3PoPoPoPo 4PPPP 5pppp 6RRR1R 7wwW1W2 8NnCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-62) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-684-008/010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD) DATE JUN 18 1987																			
SURFACE WEATHER OBSERVATIONS																						To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.									
TIME (LST)		STATION PRESSURE (In.)	DPT GALLS (In.)	WET BULB (In.)	REL HUMIDITY (%)	TOTAL SEA COVER	CLOUDS AND OBSCURING PHENOMENA										TOTAL O. PAQUE SEA COVER	PRES SURF END SEA CY	NET D-HR. CHANGE (In.)	SURF WIND (In.)	PRECIPITATION (In.)										
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER															
							AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT													
00																															
01																															
02																															
03																															
04	55	29.975				10																									
05	48	29.990				10																									
06	44	30.015				10	10	ST	M12																						
07	52	30.005				1																									
08	52	30.010				1																									
09	50	30.010				0																									
10	51	30.010				0																									
11	53	30.010				0																									
12	48	30.010				0																									
13	49	30.005				0																									
14	49	29.990				0																									
15	50	29.980				0																									
16	49	29.960				0																									
17	51	29.960				0																									
18	55	29.960				0	0	CI	300																						
19	49	29.970				0																									
20	53	29.980				0																									
21	50	29.980				0																									
22	55	29.980				0																									
23																															

SYNOPTIC OBSERVATIONS																	
TIME (O.S.T.)	TIME (L.S.T.)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF SKY	1	2	3	4	5	6	7	8	9
0452	0452	1	0	0	0	62	59										
0453	0453	1	0	0	0	63	59										
0747	0747	1	0	0	0	69	61										
1548	1548	1	0	0	0	72	68										
2148	2148	1	0	0	0	75	62										
2300	2300	1	0	0	0	63	62										

SUMMARY OF DAY (REFERENCE TO OBSERVATIONS) (2300 P TO 2300 P)																	
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIR. (°)	24-HR. TIME (L.S.T.)	24-HR. HOURS OF ICE ON WATER (In.)	24-HR. FROZEN GROUND WATER (In.)	24-HR. SEA WAVE HEIGHT (In.)	24-HR. SEA WAVE PERIOD (Sec.)	24-HR. SEA WAVE DIRECTION (°)	24-HR. SEA WAVE CHARACTER (In.)	24-HR. SEA WAVE PERIOD (Sec.)	24-HR. SEA WAVE DIRECTION (°)	24-HR. SEA WAVE CHARACTER (In.)	24-HR. SEA WAVE PERIOD (Sec.)
75	59	0	0	0	16	S	1435										

WEATHER & OBSTRUCTIONS TO VISION																	
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED												
H	UNKN	0740															

SUNRISE				SUNSET			
TIME	CHARACTER	TIME	CHARACTER				
0650P	100%	0500P	100%				

TIME CHECK - CLOCK AT: 0500P @ 1 sec./1000P @ 2 sec./1600P @ 2 sec.			
12200P +1 Sec			
H083 - 075 - FOR MAINTENANCE 0915 - 0930P			

U.S. GPO 1983-0-734-000-000

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)							
SURFACE WEATHER OBSERVATIONS						DATE JUN 20 1987							
						TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 12 HRS							
TIME 1 2	TIME 1 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY Miles 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. INCHES 6	TEMP OF AIR 7	WIND DIRECTION 8	WIND SPEED 9	WIND GUST 10	ALTIM ETER SETTING 11	REMARKS AND SUPPLEMENTAL CODED DATA 12	CORRECTION 13
			14	15									
SA 0452		M 19 OVC	10			135	63	55	00	00	993	/ 61	AD
SA 0547		M 21 OVC	10			132	63	54	13	04	992		AD
SA 0652		M 20 OVC	10			135	64	55	14	04	993	/TOPS 029 / 305 15//	AD
SA 0747		M 22 OVC	10			139	65	54	07	07	994	/TOPS 030	AD
SA 0849		M 22 OVC	10			142	65	56	16	08	995		AD
SA 0949		18 SCT M 23 OVC	12			146	67	56	19	08	996	/210 15//61	AD
SA 1048		17 SCT M 23 OVC	12			146	66	56	16	10	996	/SUN ONLY US3	AD
SA 1151		E 25 OVC	12			142	69	55	16	10	995	/TMN SPOTS OVC	AD
SA 1249		E 27 BKN	12			142	70	55	18	10	995	/ 605 1500	AD
SA 1317		27 SCT	13						17	10	994		MB
SA 1357		27 SCT	14			135	70	55	18	09	993		MB
SA 1454		CLR	15			132	70	56	20	09	992		MB
SA 1552		CLR	15			125	69	55	17	09	990	/ 615 70	MB
SA 1652		17 SCT	15			125	70	55	19	09	990		MB
SA 1753		15 SCT	10			125	67	57	30	09	990		MB
SA 1850		CLR	12			125	65	56	30	08	990	/FEW'S 1400 1500	MB
SA 1952		CLR	12			125	63	56	24	07	990		MB
SA 2046		CLR	12			132	63	56	30	04	992		MB
SA 2154		CLR	12			132	63	56	14	05	992	/105 70	MB
SA 2246		250-SCT	12			129	62	57	17	05	991	/L A 5T	MB

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R12HVY Nddff 10TTT 20TdTdTd 3P0P0P0P0 4PPPP 5app 6RRR1R 7wwW1W2 8NnCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

U.S.GPO:1983-0-084-008/0010

• U S G P O 1983-0-784-008/2079

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUN 21 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.	
TIME 1	TIME 2	SKY AND CEILING Hundred ft Feet 31	VISIBILITY Miles 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. INCHES 6	TEMP 7	DEW PT. 8	WIND 9			ALTIMETER SETTING INCHES 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	OR REMARKS 14	
			SURFACE 10	LOWER 11					DIRECTION 100-180 9	SPEED KTS 10	CHARTER KTS 11				
SA	0450	M 13 OVC	7			115	63	56	00	00	00	987	/ 62	AD	
SP	0529	M 16 OVC	7						00	00	00	988		AD	
SA	0549	15 SCT M 20 OVC	7			119	64	56	00	00	00	988	FEW THN SPOTS 10VC	AD	
SA	0650	14 SCT M 20 OVC	8			125	65	57	17	06		990	TOPS 029 / 305 1511	AD	
SA	0753	18 SCT M 23 OVC	8			129	66	57	19	06		991		AD	
SA	0850	16 SCT M 23 OVC	8			129	67	57	18	06		991	FEW THN SPOTS 10VC	AD	
SA	0950	17 SCT E 23 OVC	10			129	68	57	18	08		991	BKNVC / 105 1511 62	AD	
SA	1049	18 SCT M 21 OVC	10			129	70	57	18	07		991	BKNVC	AD	
SA	1149	E 23 BRN 28 OVC	11			132	70	57	20	10		992	SUN VSB	AD	
SA	1249	E 27 BRN 22 OVC	10			129	71	57	19	11		991	SUN VSB / 000 1511	AD	
SP	1259	27 SCT 32 OVC	10						20	07		991		AD	
SA	1357	CLR	14			122	72	56	20	10		989		AMS	
SA	1446	CLR	13			119	71	56	17	10		988		AMS	
SA	1553	CLR	14			115	71	57	17	10		987	/ 614 72	AMS	
SA	1650	CLR	12			115	71	56	22	08		987		AMS	
SA	1751	CLR	15			115	69	57	19	09		987		AMS	
SA	1850	250 SCT	20			115	66	56	15	08		987	1500 1001	AMS	
SA	1949	CLR	15			115	64	57	16	07		987	FEW CI	AMS	
SA	2055	CLR	15			119	64	58	16	06		988		AMS	
SA	2150	CLR	15			119	63	59	17	06		988	1103 72	AMS	
SA	2247	CLR	15			119	63	59	14	06		988	LAST	AMS	

FM12-VII: 1111 012HVV Mddff 15nTTT 25nTdTd 3PoPoPoPo 4PPPP 5app 6RRRr 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-000/0010

• U.S. GPO 1963-0-784-008-8021

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS				DATE JUN 22 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.							
TIME FLST	TYPE	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles SURFACE POWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. F.	DEW PT. F.	WIND DIRECTION KTS.	WIND SPEED KTS.	WIND GUSTS KTS.	ALTIM. FEET SEA-LEVEL	REMARKS AND SUPPLEMENTAL CODED DATA	OR REMARKS RECEIVED
0449	SA	M11 OVC	6	H	112.63	57	14.05	986	/62			AD	
0548	SA	M11 OVC	6	H	115.63	57	14.05	987	/70PS 022			AD	
0648	SA	M12 OVC	6	H	119.64	57	14.05	988	/305 1511			AD	
0750	SA	M13 OVC	6	H	122.65	58	00.00	989				AD	
0822	SP	M15 OVC	5	H			00.00	989				AD	
0848	SA	M16 OVC	5	HK	122.67	58	09.03	989				AD	
0949	SA	M19 BKN	5	HK	122.69	58	16.08	989	/003 1500 62			AD	
1002	SP	20-SCT	5	HK			13.06	989				AD	
1049	SA	CLR	5	HK	119.74	58	00.00	988				AD	
1149	SA	CLR	5	HK	112.75	58	17.06	986				AD	
1249	SA	CLR	6	HK	108.74	58	19.08	985	/814			AD	
1349	SA	CLR	8		105.73	58	20.10	984				ML	
1449	SA	CLR	8		102.74	58	18.09	983				ML	
1550	SA	CLR	6	HK	102.78	59	29.05	983	/605 78			RLW	
1651	SA	CLR	6	HK	098.76	60	15.11	982				RLW	
1753	SA	CLR	8		098.72	60	16.09	982	/WIND 13V19			RLW	
1855	SA	CLR	8		102.68	61	15.10	983	/500			RLW	
1951	SA	CLR	8		108.66	61	17.10	985	/FEW ST SE-S			RLW	
2052	SA	CLR	8		115.65	61	16.06	987	/FEW ST SE-SW			RLW	
2155	SA	11 SCT	8		115.65	61	13.08	987	/SCT V BKN WND 21V16			RLW	
2210	SP	M10 BKN	8				16.08	987	/114 1600 79			RLW	
2253	SA	M11 OVC	8		115.65	60	15.08	987	/CIG RG-D			RLW	
									/CIG RG-D SML BKN 05-16			RLW	
									OVHD LAST				

FM12-VII: IIIII R12hVV Mddff 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1983-0-884-008/8010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE JUN 22 1987										To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.									
CLOUDS AND OBSCURING PHENOMENA																													
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	LOWEST LAYER				SECOND LAYER				THIRD LAYER				FOURTH LAYER				TOTAL OBS- CURED SKY COVER	PRES- SURE TEND- ENCY	WET BULB CHANG- E (In.)	WIND- SPEED (Kts.)	WIND- DIRECTION (°)	PRECIP- ITATION (In.)		
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			
00																													
01																													
02																													
03																													
04	49	29.815			10															10									
05	48	29.825			10															10									
06	48	29.835			10	10	SC	M12											10	3	.015								
07	50	29.850			10														10										
08	48	29.850			10														10										
09	49	29.845			8	8	SC	M19											8	0	.010								
10	49	29.840			0														0										
11	49	29.820			0														0										
12	49	29.805			0														0	8	.040								
13	49	29.800			0														0										
14	49	29.790			0														0										
15	50	29.790			0														0	6	.015								
16	51	29.780			0														0										
17	53	29.780			0														0										
18	55	29.790			0														0	5	.000								
19	51	29.810			0														0										
20	52	29.830			0														0										
21	55	29.830			5	5	ST	11											5	1	.043								
22	53	29.830			10														10										
23																													

SYNOPSIS OBSERVATIONS																						
TIME (LST)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA- TEMP. (°F)	WIND TEMP. (°F)	STATE OF SKY	1	2	3	4	5	6	7	8	9	10	11	12	13	14
01	0446	1	0	0	0	63	62															
02	0446	1	0	0	0	63	62															
03	0446	1	0	0	0	70	63															
04	1549	1	0	0	0	78	69															
05	2153	1	0	0	0	79	65															
06	2300	1	0	0	0	65	65															

SUMMARY OF DAY (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION										
SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)	SEA- TEMP. (°F)
79	62	0	0	0	16	5	1400															

TIME: SUNRISE												SUNSET									
TOTAL OBSERVED WINDSPEED WINDSPEED												PERCENT OF OBSERVED WINDSPEED WINDSPEED									
TIME CHECK - CLOCK AT 0500												@ 1 Sec. / 1000									
TIME CHECK - CLOCK AT 0500												@ 1 Sec. / 1600									
TIME CHECK - CLOCK AT 0500												@ 2 Sec.									

TIME: SUNRISE												SUNSET									
TOTAL OBSERVED WINDSPEED WINDSPEED												PERCENT OF OBSERVED WINDSPEED WINDSPEED									
TIME CHECK - CLOCK AT 0500												@ 1 Sec. / 1000									
TIME CHECK - CLOCK AT 0500												@ 1 Sec. / 1600									
TIME CHECK - CLOCK AT 0500												@ 2 Sec.									

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE JUN 23 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT	
SURFACE WEATHER OBSERVATIONS																	
TIME PLST	SKY AND CEILING (Hundreds of Feet)	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mmHg	TEMP °F	DEW PT °F	WIND			ALTIM ETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS				
		SURFACE	DOWN					DIRECTION	SPEED Kts	WAVE HEIGHT Feet							
0455	M10 OVC	4		FH	115	64	60	13	07		987	/ 64	RHS				
0528	M 9 OVC	4		FH				16	05		987	/ TOPS 019	RHS				
0551	M 9 OVC	5		FH	119	64	60	17	04		988		RHS				
0641	M10 OVC	6		FH				17	06		989		RHS				
0653	M10 OVC	6		FH	125	65	60	15	06		990	/ 310 1511	RHS				
0738	M 9 OVC	6		FH				18	07		991		RHS				
0851	M10 OVC	7			129	65	60	14	07		991	/ CIG - ONLY 4 HND FT	RHS				
0905	M10 OVC	7						17	07		991	/ TOPS 020	RHS				
0951	M 11 OVC	7			132	66	60	14	09		992		RHS				
1054	M 11 OVC	9			132	67	60	14	07		992	/ 107 1511 64	RHS				
1050	M12 OVC	8			132	68	60	14	08		992		RHS				
1146	E13 OVC	9			132	69	60	18	09		992	/ THN spots 1000	RHS				
1200	M 12 BKN	8						17	09		992		RHS				
1237	12 SCT E250 BKN	10						17	10		991	/ SCT UPRN	RHS				
1246	12 SCT E250 BKN	12			129	70	60	18	09		991	/ 803 1501	RHS				
1349	15 SCT 250 - SCT	10			129	70	60	18	12		991		ML				
1449	15 SCT 250 - SCT	10			135	68	59	19	11		990		ML				
1550	15 SCT 250 SCT	8			125	67	59	17	12		990	/ CIG LWR SE-3/ 603	RHS				
												1501 70					
1652	12 SCT 250 SCT	8			125	66	59	18	10		990	/ CIG LWR SE-S	RHS				
1747	11 SCT E250 BKN	8			125	65	59	16	10		990	/ SCT V BKN CIG LWR	RHS				
												SE-SW WND 12V21					
1825	M10 BKN 250 BKN	8						17	07		991	/ CIG RG-D BASES 5 94ND	RHS				
1854	M10 OVC	7			132	65	59	16	07		992	/ CIG RG-D SML BKN OVC	RHS				
												OVHD TOPS 016/ 307					
												1611					
1949	M10 OVC	7			132	65	59	15	08		992	/ CIG RG-D	RHS				
2051	M11 OVC	7			139	65	59	13	07		994	/ CIG LWR SE-S	RHS				
2153	M11 OVC	6		H	142	64	59	16	06		995	/ CIG RG-D/ 110 1611 70	RHS				
2255	M10 OVC	6		H	142	65	59	14	06		995	/ CIG RG-D LAST	RHS				

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following reduced Basic observation.

FM12-VII: Ilim rghvV Nddff l₀TTT 2₀TdTd 3P₀P₀P₀ 4PPPP 5pppp 6RRRr 7wwW1W2 8N₀CLC₀CH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

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[illegible]

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS				DATE JUN 24 1987									
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.									
TIME ZULU	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Inches	TEMP. F	DEW POINT F	WIND DIRECTION IN DEGREES TRUE	WIND SPEED KNOTS	WIND CHARTER IN KNOTS	ALTITUDE FEET	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION IN HOURS
		SURFACE	CEILING										
20 0453	M 960	5		H	139.63	59		14	04		994	163	AMS
20 0544	M 1000	4		H	142.64	59		09	04		995	1611-0000 9440 FT	AMS
20 0649	M 1100	4		H	149.65	59		09	05		997	1310 1611	AMS
20 0735	M 1100	5		H				21	08		998	1645 022	AMS
20 0849	M 1100	5		H	156.65	60		22	08		999		AMS
20 0951	M 1200	6		H	156.66	60		22	08		999		AMS
20 1048	M 1200	6		H	156.67	59		22	08		999	1107 1511 03	AMS
20 1105	M 1200	6		H				14	08		998		AMS
20 1203	12 SCT	8						10	08		999		AMS
20 1247	12 SCT	9			156.70	59		08	05		999	1645 017	AMS
20 1346	CLR	12			156.71	60		17	07		999	154 1547 S	AMS
20 1446	CLR	12			149.73	60		23	07		997	1807	AMS
20 1550	CLR	7			146.72	60		21	11		996		ML
20 1649	CLR	7			142.72	61		22	10		995		ML
20 1750	CLR	6		HK	135.73	61		18	09		993	714 74	2LW
20 1853	CLR	6		HK	135.71	61		19	08		993		2LW
20 1954	CLR	6		HK	139.67	61		20	11		994	ST BANK SE-S	2LW
20 2031	8 SCT	6		HK				20	11		994	ST GRDLY INCRG	2LW
20 2148	8 SCT	6		FH	142.65	61		21	10		995	VSBY LWR SE/ 307	2LW
20 2235	8 SCT M13 BKN	6		FH				22	08		995	1600	2LW
20 2351	8 SCT M13 OVC	6		FH	146.65	61		18	08		996	CIG RGD 5ML BKNVC 0.40	2LW
20 2449	M12 OVC	6		FH	146.65	61		14	06		996	CIG RGD	2LW
20 2550	M11 OVC	5		FH	149.65	61		18	06		997	TOPS 020/ 307 1611	2LW
20 2655	M11 OVC	5		FH	149.65	61		20	05		997	74	2LW
												CIG RGD LAST	2LW

FM12-VII: 1111 1212VV Nddff 1st TTT 2nd Td Td 3P0P0P0P0 4PPPP 5pppp 6RRR1R 7wwW1W2 8NnCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO 1983-0-084-008/0010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE JUN 24 1987										To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.									

TIME (LST)	STATION (No.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES- SURE TEND- ENCY	WET BULB CHANG- E (No.)	WIND- SPEED (No.)	WIND- DIRECTION (No.)	PREC- IPITATION (No.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
00																							
01																							
02																							
03																							
04	55	24.900			10											10							
05	49	24.910			10											10							
06	40	24.930			10	10	ST	MII								10	3	0.030					
07	44	24.945			10											10							
08	51	24.950			10											10							
09	48	24.950			10	10	SC	M12								10	1	0.020					
10	47	24.950			3											2							
11	46	24.945			0											0							
12	46	24.930			0											0	8	0.020					
13	50	24.920			0											0							
14	49	24.910			0											0							
15	50	24.890			0											0	7	0.040					
16	53	24.890			0											0							
17	54	24.920			0											0							
18	48	24.910			3	3	ST	8								3	3	0.020					
19	51	24.920			10											10							
20	49	24.920			10											10							
21	50	24.930			10	10	ST	MII								10	3	0.020					
22	55	24.930			10											10							
23																							

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (No.)	SNOW FALL (No.)	SNOW DEPTH (No.)	WIND TEMP. (°F)	WIND DIRECTION (No.)	STATE OF SKY	11	12	13	14	15	16	17	18	19
2300	2300	1	0	0	0	65	63	X									
2453	2453	1	0	0	0	65	63										
0045	0045	1	0	0	0	67	63										
1548	1548	1	0	0	0	74	67										
2148	2148	1	0	0	0	73	65										
2330	2330	1	0	0	0	65	65	X									

STATION PRESSURE COMPUTATIONS																	
TIME (LST)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2300																	
2453																	
0045																	
1548																	
2148																	
2330																	

SUMMARY OF DAY (2300P TO 2300P)																	
2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P	2300P
63	63	0	0	0	18	5	1832										

WEATHER & OBSTRUCTIONS TO VISION																	
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	CONT	1025															
H	1528	CONT															
K	1528	1836															
F	1836	CONT															

REMARKS (2300P TO 2300P)																	
TIME: SUNRISE SUNSET TOTAL CLOUDS (MIN.): 10 PERCENT OF HORIZON: 10 CHARACTER OF CLOUDS: ST CHARACTER OF SUNSET: 10 FACTORY OBSERVED: NO OR FACTORY: NO ASSOCIATED OBSERVATION: NO TIME CHECK - CLOCK AT: 0940 02 Sec. 0940 02 Sec. 1600 02 Sec.																	

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUN 25 1987	TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT		
TIME 1	TYPE 2	SKY AND CEILING 3 Hundred Feet	VISIBILITY 4 Miles		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6 mm.	TEMP. 7 °F	DEW POINT 8 °F	WIND 9				ALTITUDE 10 Feet	REMARKS AND SUPPLEMENTAL CODED DATA 11	OBSERVER 12
			13	14					15	16	17	18			
0457	SA	M1100C	5		FM	142.65	60	16.06	995				165		
0555	SA	M1100C	6		FM	146.65	60	11.07	996				17.25 015		
0648	SA	M1100C	8			146.65	60	16.06	996				1102 1511		
0750	SA	M1200C	8			144.67	60	16.06	997				181000		
0804	SA	1250T	8					23.05	997						
0847	SA	CLR	9			149.71	60	17.06	997						
0949	SA	CLR	13			149.71	60	17.09	997				1802 65		
1047	SA	CLR	14			152.72	60	21.09	998						
1147	SA	CLR	15			149.72	59	18.10	997						
1246	SA	CLR	15			146.72	60	20.10	996				1802		
1349	SA	CLR	12			142.73	60	17.13	995						
1449	SA	CLR	10			139.72	61	18.10	994						
1550	SA	CLR	8			135.72	61	18.10	993				ST BANK DSNT SE-S/ 7102Kw		
													1600 73		
1651	SA	CLR	8			132.72	60	18.10	992				ST BANK DSNT SE-S		
1752	SA	CLR	8			132.71	61	17.08	992				FEW ST DSNT SE-S		
													VSBY LWR W-NW		
1853	SA	CLR	7			135.69	61	17.08	993				FEW C1 W-NW/ 500		
													1001		
1916	SP	CLR	7					28.08	993				WSHFT 08 FEW C1		
													W-NW WND 26V32		
1949	SA	CLR	8			139.67	60	27.07	994						
2054	SA	CLR	8			149.65	60	26.06	997						
2150	SA	CLR	6		H	152.64	59	27.06	998				117 73		
2255	SA	CLR	5		FM	152.63	60	26.06	998				VSBY LWR W-NW LAST		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Ilii iRihVV NddH IaTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRrR 7wwW1W2 8NhCLCmCh plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-684-008/8010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE JUN 25 1987	
				To convert LST to GMT ADD 8 hrs. SUBTRACT	
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER
00					
01					
02					
03					
04	57.910				10
05	57.920				10
06	46.932				10 50 MI
07	50.930				10
08	47.925				0
09	46.925				0
10	47.940				0
11	47.930				0
12	46.920				0
13	49.910				0
14	49.900				0
15	50.890				0 ST 10
16	51.880				0
17	52.880				0
18	53.890				0 CI 300
19	49.900				0
20	54.930				0
21	50.940				0
22	55.940				0
23					
24					

SYNOPTIC OBSERVATIONS														
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (Kts)	STATE OF CLOUDS	SOIL TEMP.	WATER TEMP.	WATER TEMP.	WATER TEMP.	WATER TEMP.	WATER TEMP.
00	0447	1	0	0	0	66	65							
01	0447	1	0	0	0	66	65							
02	0445	1	0	0	0	72	65							
03	1548	1	0	0	0	73	70							
04	2148	1	0	0	0	73	64							
05	0330	1	0	0	0	64	63							

STATION PRESSURE COMPUTATIONS														
TIME (LST)	TIME (GMT)	STATION	REDUCED	SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL	MEAN SEA LEVEL
00	0447	1	0	0	0	0	0	0	0	0	0	0	0	0
01	0447	1	0	0	0	0	0	0	0	0	0	0	0	0
02	0445	1	0	0	0	0	0	0	0	0	0	0	0	0
03	1548	1	0	0	0	0	0	0	0	0	0	0	0	0
04	2148	1	0	0	0	0	0	0	0	0	0	0	0	0
05	0330	1	0	0	0	0	0	0	0	0	0	0	0	0

SUMMARY OF DAY (2300P TO 2300P)														
TIME	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND
00	63	0	0	0	16	5	1346							

WEATHER & OBSTRUCTIONS TO VISION														
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED									
F	CONT	0630												
H	CONT	0630												
H	2130	CONT												
F	2215	CONT												

REMARKS														
TIME	SUNRISE	SUNSET	PERCENT OF POSSIBLE	CHARACTER	CHARACTER									
00	0500	0750	0.930	0.250	0.1600									

MF1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STAT ON LONG BEACH, CALIF. (DAUGHERTY FIELD)											
SURFACE WEATHER OBSERVATIONS						DATE JUN 26 1987						TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 0 HRS					
TIME ZULU	TYPE	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. AIR DEW POINT	WIND				ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION			
			Surface	Down				Direction	Speed	Direction	Speed				Direction	Speed	
0457	SA	M 9 OVC	4		FM	14.63	60	26	04		996	163					
0523	SA	M 9 OVC	3		FM			24	06		996	Tops CIP					
0551	SA	M 9 OVC	3		FM	14.64	60	03	03		997						
0627	SA	M 10 OVC	24		FM			36	03		998	1 Tops CIP					
0649	SA	M 10 OVC	24		FM	15.26	60	00	00		998	1302 1611					
0714	SA	M 12 OVC	3		H	15.67	59	09	03		000	1-AN SPT 100-CLWD					
0754	SA	M 15 OVC	3		H			25	23		000	1 NMPS THN SCTS					
0853	SA	M 15 BKN	3		H	15.69	59	23	07		000	1 NMPS					
0900	SA	15 SCT	4		H			22	08		000						
0952	SA	CLR	8			15.70	54	19	09		000	1 HAZY 1107 63					
1027	SA	CLR	9			15.70	53	18	10		000						
1144	SA	CLR	8			15.70	58	19	12		000	1 FEW CI					
1250	SA	CLR	8			15.71	58	21	09		999	1 703					
1344	SA	CLR	15			15.78	58	27	07		999						
1444	SA	CLR	15			15.76	56	25	08		998						
1551	SA	CLR	15			15.75	56	23	06		998	1 FEW CI / 603 1001 78		AD			
1657	SA	CLR	15			14.97	56	26	06		997	1 FEW CI		AD			
1749	SA	CLR	15			14.97	56	26	07		997	1 FEW CI ST W HRZN		AD			
1849	SA	CLR	15			15.26	56	26	08		998	1 FEW CI ST W HRZN		AD			
1948	SA	CLR	12			15.65	57	28	07		000	1 ST W HRZN		AD			
2050	SA	CLR	10			16.64	57	24	06		002			AD			
2151	SA	CLR	10			16.63	57	27	05		003	1 117 78		AD			
2249	SA	CLR	10			16.62	57	28	05		003	1 LAST * ST SW - W		AD			

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: IIII IRIgHV Nddff 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A 11-82 WHICH MAY BE USED.

U.S.GPO:1983-0-084-008/0010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)						
SURFACE WEATHER OBSERVATIONS				DATE JUN 26 1987						
				To convert LST to GMT ADD 8 hrs. SUBTRACT						
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER					
00										
01										
02										
03										
04	57.24.920				10					
05	51.24.425				10					
06	49.24.940				10 10.5T MIN					
07	46.24.960				10 3.005					
08	52.24.960				10					
09	52.24.960				9					
10	47.24.955				0					
11	44.24.955				0					
12	50.24.950				0					
13	49.24.945				0					
14	49.24.940				0					
15	51.24.940				0 0 CI 250					
16	57.24.925				0					
17	45.24.930				0					
18	48.24.940				0 0 ST 10 0 CI 250 0					
19	48.24.955				0					
20	50.24.980				0					
21	57.24.990				0					
22	49.24.990				0					
23										
24										
SYNOPTIC OBSERVATIONS										
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP. (°F)	STATION PRESSURE COMPUTATIONS
01	0455	0	0	0	0	64	63			TIME (LST) 1204 1530 2149
02	0455	1	0	0	0	64	63			ATT. THERM. 60
03	0457	2	0	0	0	71	63			OBSC. BAR. 61
04	1548	3	0	0	0	78	69			TOTAL COR. 62
05	2147	4	0	0	0	75	63			EVA. PRES. 61
06	2300	5	0	0	0	63	62			WINDGRAPH 61
										BAR. COR. 67
SUMMARY OF DAY OBSERVATIONS TO END (2300P TO 2300P)										
SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)
62	62	62	62	62	62	62	62	62	62	62
WEATHER & OBSTRUCTIONS TO VISION										
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED					
F	CONT	0730								
H	CONT	0930								
REMARKS: WINDY AND Hazy										
TIME: SUNRISE: SUNSET:										
TOTAL CLOUDS: (MIN.) PERCENT OF POSSIBLE CLOUDS: CHARACTER OF CLOUDS: OBSERVER OF CLOUDS:										
FASTEST OBSERVED WIND: (KTS) OR FASTEST WIND: (KTS) OBSERVED WIND: (KTS) OBSERVER OF WIND:										
TIME CHECK - CLOCK AT: 0500P ±2 Sec. 0930P ±2 Sec. 1600P ±2 Sec.										
1/ LAST of SEVERAL OCCURRENCES										
SP=										
RS=										

MF1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUN 27 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT _____ HRS	
TIME FLST	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. hPa	TEMP PT °F	WIND				ALT ETER SET- TING Inch	REMARKS AND SUPPLEMENTAL CODED DATA (1B)	OBS (1B)		
		SURFACE	LOWER				DIREC- TION	SPEED Kts	CHANG- ING	WATER					
SA0447	MIC OVC	5		FH	166	62	57	03	04		002	CIG RGD / 61	RLW		
SA0551	M13 OVC	5		FH	166	63	57	28	05		002	VSBY LWR N-NE TQPS C18	RLW		
SA0653	M13 OVC	5		H	166	64	57	31	04		002	SML BINGVC DYND / 400 1611	RLW		
SP0723	M15 OVC	5		H				00	20		003	CIG LWR SE-S	RLW		
SA0755	M16 OVC	5		H	169	66	57	00	00		003	BINGVC TQPS 020	RLW		
L0806	M16 BKN	5		H				29	05		003	FEW LWR SC	RLW		
SP0830	18 SCT 300 -BKN	5		HK				02	04		003		RLW		
SA0848	18 SCT 300 -BKN	6		HK	169	71	58	24	03		003		RLW		
SA0950	300 -SCT	6		HK	166	74	58	24	04		002	000 1001 61	RLW		
SA1054	300 -SCT	7			166	72	58	22	13		002		RLW		
SA1152	300 -SCT	8			166	74	58	22	11		002		RLW		
SA1249	300 -SCT	14			163	77	58	25	12		001	803 1001	RLW		
SA1349	300 -SCT	14			159	76	57	25	09		000		RLW		
SA1449	300 -BKN	14			156	77	57	28	09		999		RLW		
SA1552	300 -SCT	14			149	73	57	27	08		997	ST W HRZN / 814 / 60175	AD		
SA1648	300 -SCT	14			146	72	57	25	08		996	ST W HRZN	AD		
SA1748	300 -BKN	12			146	68	57	26	08		996	ST W HRZN	AD		
SA1848	300 -SCT	14			149	65	57	26	09		997	ST W -NW HRZN / 502 1601	AD		
SA1947	300 -SCT	10			149	63	57	29	07		997	ST W -NW HRZN	AD		
SA2049	CLR	10			150	62	57	27	07		999	ST W HRZN	AD		
SA2150	CLR	10			163	61	57	28	05		001	ST SW -NW HRZN / 315 / 60078	AD		
SA2248	10 SCT	8			159	61	57	27	06		000	LAST	AD		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII I R Z h V Y N d d f f I a n T T T 2 a n T d T d T d 3 P o P o P o P o 4 P P P P S e p p p 6 R R R R t r 7 w w w 1 w 2 B n h C L C M C H plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

© U.S.GPO: 1983-0-284-008/8010

Form with multiple sections: SURFACE WEATHER OBSERVATIONS, CLOUDS AND OBSCURING PHENOMENA, SYNOPSIS OBSERVATIONS, STATION PRESSURE COMPUTATIONS, SUMMARY OF DAY, WEATHER & OBSTRUCTIONS TO VISION, TIME, SUNRISE, SUNSET, and various data entry fields for temperature, pressure, wind, etc.

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE JUN 28 1987	TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.
TIME PLST	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. HRS	TEMP DB	WIND				ALTIM ETER SET TING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	COR RECTION (18)
		SURFACE	LOWER				DIRECT	SPEED	CHANG ING	WAVE METER			
2		(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)			
SA 0447	M10 OVC	4		FH	156	62	57	20	04		999	CIG RGD / 60	2LW
SA 0552	M10 OVC	5		FH	159	62	57	21	03		000	CIG RGD TOPS 021	2LW
SA 0654	M11 OVC	5		FH	159	62	57	10	04		000	CIG RGD / 107 1611	2LW
SA 0752	M13 OVC	6		H	163	63	57	20	05		001	CIG RGD FEW LWR SC	2LW
SA 0851	M14 OVC	8			166	64	56	18	05		002	VSBY LWR NW-N TOPS	2LW
												023	
SA 0957	M15 OVC	8						21	07		002	CIG LWR SE TOPS	2LW
												024	
SA 0950	M18 OVC	10			166	65	55	18	05		002	107 1511 60	2LW
SA 1048	M19 BKN	12			163	68	56	16	07		001	FEW LWR SC	2LW
SA 1109	19 SCT	14						23	07		001		2LW
SA 1154	CLR	14			159	71	56	20	08		000		2LW
SA 1251	CLR	15			156	71	55	17	10		999	710	2LW
SA 1349	CLR	15			152	71	55	21	10		998		2LW
SA 1449	CLR	15			146	72	55	18	09		996		2LW
SA 1552	CLR	12			139	73	55	20	08		994	STW HRZN / 717 / 600 73	AD
SA 1649	CLR	12			135	73	57	26	09		993	FEW STW HRZN	AD
SA 1747	CLR	12			135	69	56	27	08		993	FEW STW HRZN	AD
SA 1849	CLR	10			139	66	56	27	10		994	STSW-NW HRZN	AD
												1500 1600	
SA 1947	CLR	10			142	63	56	27	07		995	STW-NW HRZN	AD
SA 2050	CLR	7			149	63	57	26	06		997	STW-NW HRZN	AD
SA 2150	CLR	7			152	62	56	28	05		998	STSW-NW / 212 / 600 75	AD
SA 2249	12 SCT	7			149	62	56	26	06		997	LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1212HVV Nddff 10TTT 20TdTd 3PoPoPoPo 4PPPP 5appp 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A 11-83 WHICH MAY BE USED.

U.S.G.P.O. 1983-0-484-008/0010

MP1-100 (10-23)

SUPERSEDES MFI-100 (1-62) WHICH MAY BE USED.

• U.S. GPO 1983-0-784-008-9000

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)										
SURFACE WEATHER OBSERVATIONS				DATE JUN 29 1987										
				TO CONVERT LST TO GMT ADD -8 HRS SUBTRACT										
TYPE 1	TIME PLT 2	SKY AND CEILING (Hundreds of Feet) 3	VISIBILITY (Miles) 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6	TEMP. 7	DEW PT. 8	WIND 9			ALTIM. ETER 10	REMARKS AND SUPPLEMENTAL CODED DATA 11	OBS. SERIES 12
			SURFACE 14	TOWER 15					DIRECT 16	SPEED 17	CHANGING 18			
SA	0455	M2000	14			14663	54	15	03	996		TPS 028/61	AMS	
SA	0553	M2000	14			14663	53	25	04	996			AMS	
SA	0653	M2300	14			14665	53	06	05	996		544L Breeze 441	AMS	
												103 1511		
SA	0748	M2300	15			14968	53	04	04	997		16000	AMS	
I	0812	M2380N	15					06	05	997			AMS	
SP	0826	23 SCLT	14					08	04	996			AMS	
SA	0847	25 SCLT	15			14670	53	03	05	996			AMS	
SA	0948	CLR	15			14670	54	18	08	996		150 SW HR 21V 000	AMS	
												1500 61		
SA	1044	CLR	15			14271	54	20	09	995			AMS	
SA	1147	CLR	15			13971	54	21	11	994			AMS	
SA	1247	CLR	20			13274	55	22	10	992		1814	AMS	
SA	1344	CLR	20			12976	55	25	08	991		1 SC DSNT W	AMS	
SA	1444	CLR	15			12576	54	25	09	990		1 SC DSNT W	AMS	
SA	1550	CLR	15			12573	55	28	09	990		1 SC DSNT W/ 607 1500 21W	AMS	
												77		
SA	1654	CLR	15			12570	56	27	07	990		1 SC DSNT SW-NW	AMS	
SA	1751	CLR	15			12568	56	27	07	990		1 SC DSNT SW-W	AMS	
SA	1855	CLR	15			12966	55	27	09	991		1 ST DSNT SW-NW/ 303 21W	AMS	
												1600		
SA	1947	CLR	15			12964	55	27	07	991		1 ST DSNT SW-NW	AMS	
SA	2052	CLR	12			13563	56	26	06	993			AMS	
SA	2150	CLR	12			13962	56	27	06	994		210 77	AMS	
SA	2255	CLR	8			13962	56	28	04	994		FEW ST W LAST	AMS	

A synoptic observation using WMO code FM12-VII, as described in FMM-2, is entered on line following related basic observation.

FM12-VII: IIII IR12HYV Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5appp 6RRRr 7wwW1W2 8NCLCMCH plus regional and national data groups.
 SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED. U.S.GPO:1983-0-884-008/010

[illegible]

MFI-10A (3-63)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		
SURFACE WEATHER OBSERVATIONS												DATE JUN 30 1987	TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u> </u> HRS	
TIME 1	TYPE 2	SKY AND CEILING HUNDREDS OF FEET 3	VISIBILITY MILES 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. INCHES 6	TEMP AIR 7	DEW POINT 8	WIND 9			ALTIM ETER SETTING INCHES 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	COR RECTION 14
			SURFACE 10	UPPER 11					DIRECT 100-MPH 9	SPEED KTS 10	CHARTER DIRECTION 11			
0454		M1900C	15		1013.7	139.64	55	20.03			994	161		
0551		1600T M2000C	15			142.64	55	18.05			995			
0650		M2000C	15					20.05			996	1 TOPS 035		
0646		M2000C	15			149.64	54	21.05			997	1308 1511		
0754		M2000C	15			152.64	54	21.06			998			
0857		M2000C	15			152.66	54	20.00			998			
0949		M2500C	15			152.68	58	18.06			998	1103 1511 61		
1049		M2300C	15			156.69	55	18.05			999			
1148		M2300C	15			152.71	55	19.08			998	15ml B. W. W. W.		
1215		M2500T	15					17.10			998			
1225		2500T	15					23.12			997	150T W B. W. W.		
1246		2500T 1500T	15			149.71	54	21.12			997	1803 1530		
1350		150 SCT	15			149.72	53	20.09			997	1FEW SC		
1448		CLR	20			146.72	54	21.08			996	1FEW SC AC		
1550		CLR	20			142.73	55	20.09			995	1FEW SC AC / 70T		
												1530 74		
1651		CLR	20			139.72	55	26.08			994			
1748		CLR	20			142.69	55	27.08			995	1SC DSNT W		
1854		CLR	20			146.60	56	27.10			996	1SC DSNT W / 903 1500		
1953		CLR	15			149.64	56	27.08			997			
2049		CLR	15			152.63	56	27.06			998			
2152		CLR	15			152.63	56	27.06			998	107 74		
2255		CLR	15			152.62	56	26.06			998	1FEW SC DSNT W - A. T.		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: IIIII IRIghVV Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5appp 6RRRR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O.: 1983-0-084-008/010

MF 1-100 (10-03)

~~SUPERSEDES MF1-100 (1-62) WHICH MAY BE USED.~~

U S GPO 1953-0-754-002-001

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)				
SURFACE WEATHER OBSERVATIONS				DATE JUL 1 1987				
				TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.				
TIME Z	SKY AND CEILING Hundreds of Feet. 31	VISIBILITY Miles 1 1/2 1 1/4 3/4 1/2 1/4 1/8	WEATHER AND OBSTRUCTIONS TO VISION 1 2 3 4 5 6 7 8	SEA LEVEL PRESS. INCHES 0 1 2 3 4 5 6 7 8	TEMP DEW POINT WIND DIRECTION SPEED GUSTS 1 2 3 4 5 6 7 8 9 10 11 12	ALTIMETER SETTING INCHES 0 1 2 3 4 5 6 7 8 9 10 11 12	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA 0756	250-56T	14		156 60	57 07 03	994	160	AMS
SA 0847	115-1 250-56T	13		159 62	57 07 03	000		AMS
SA 0951	115-1	12		166 65	57 06 03	002	1310 500	AMS
SA 1015	M1505V	10			00 00	002		AMS
SA 1130	M1900C	10			18 06	002		AMS
SA 1234	M1900C	10			20 04	003	1700 030	AMS
SA 1344	M2000C	10		164 65	57 19 04	003		AMS
SA 1457	M2000C	13		161 66	56 20 05	003		AMS
SA 1556	M2300C	15		173 66	57 20 06	004	1208 511 60	AMS
SA 1648	M2500C	15		173 68	57 22 07	004		AMS
SA 1757	E2500C	15		173 71	57 24 08	004		AMS
SA 1817	E2500C	15			24 06	004		AMS
SA 1948	E2500C	12		164 74	58 23 08	003	1803 1500	AMS
SA 2007	255-1	13			24 07	003		AMS
SA 2146	CLR	15		166 73	57 18 09	002		AMS
SA 2246	CLR	15		159 74	57 22 10	000		AMS
SA 1530	CLR	15		152 74	58 22 06	998	1717 76	AD
SA 1649	CLR	15		149 72	57 26 07	997	15T DSNT W	AD
SA 1748	CLR	15		149 69	57 27 07	997	15T DSNT W-NW	AD
SA 1850	CLR	14		152 66	57 26 09	998	15T DSNT SW-NW/500 1600	AD
SA 1947	CLR	10		152 64	58 26 07	998	15T DSNT SW-NW	AD
SA 2050	CLR	10		159 63	58 27 05	000	15T DSNT SW-NW	AD
SA 2150	CLR	10		159 63	58 26 06	000	15T DSNT SW-NW/105 160076	AD
SA 2249	CLR	8		156 62	58 27 04	999	15T DSNT W LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII :R:HVY Nddff 10TTT 20TdTd 3P0P0P0P0 4PPPP Seppp 6RRRr 7wwW1W2 8NnCLCMCH plus regional and national data groups.

REPLACES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1983-0-484-008/8010

[illegible]

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)						
SURFACE WEATHER OBSERVATIONS				DATE JUL 2 1987						
				TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT						
TIME Z	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. DEW POINT F	WIND		ALTITUDE FEET	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
						DIRECTION DEG	SPEED KTS			
0457	M13 OVC	12		152.63	57	06	23	998	161	RMS
0522	M13 OVC	12				13	04	994	1705 020	RMS
0550	M13 OVC	12		156.63	57	00	00	994		RMS
0651	M12 OVC	12		156.67	57	01	04	994	1205 1611	RMS
0721	M15 OVC	10				02	04	000		RMS
0749	M15 OVC	10		154.65	57	11	04	000		RMS
0853	M15 OVC	10		156.66	57	19	07	999		RMS
0952	M18 OVC	10		159.67	57	14	07	000	1506 RAINW 1303 1511 61	RMS
1005	M18 BKN	10				22	08	000		RMS
1028	18 SCT	10				23	07	999		RMS
1052	18 SCT	10		156.64	57	22	09	999		RMS
1149	CLR	14		156.70	58	18	08	999	1FEW SC	RMS
1248	CLR	15		152.76	58	22	07	999	1707	RMS
1344	CLR	15		149.71	58	21	07	997		RMS
1450	CLR	15		142.72	57	19	08	995		RMS
1557	CLR	15		135.73	58	18	07	993	1FEW ST BKT W 1717 1600 73	AD
1648	CLR	15		132.74	57	26	09	992	1FEW ST BKT W	AD
1748	CLR	12		132.71	57	27	07	992		AD
1848	CLR	10		132.66	58	26	10	992	1ST DUT W-NW 503 1600	AD
1948	CLR	10		135.64	58	27	07	993	1ST DUT W-NW	AD
2048	CLR	10		142.63	58	27	06	995	1ST DUT W-NW	AD
2150	11 SCT	10		142.62	57	28	05	995	110 1600 76	AD
2221	M12 BKN	10				29	03	995		AD
2247	M12 OVC	8		142.62	58	30	03	995	1THN SPOTS 10VL LAST	AD

FM12-VII: 1111 1R12HV 10ddff 10TTT 20TdTd 3P0P0P0 4PPPP 5sepp 6RRR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MP1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-008/010

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUL 3 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT _____ HRS.	
TIME 1	TIME 2	SKY AND CEILING Hundred Feet 3	VISIBILITY Miles 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6	TEMP. 7	DEW PT. 8	WIND 9				ALTIM. ETER READING 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	OBS. CORRECTION 14
			5.1	5.2					9.1	9.2	9.3	9.4			
SA	0447	M1 OVC	5		FM	135	62	57	36	04		993	/CIG RGD/ 61	2LW	
SA	0502	M11 OVC	5		FM	139	63	58	03	03		994	/CIG RGD TOPS 025	2LW	
SA	0654	M12 OVC	5		H	142	63	57	03	04		995	/TOPS 023/ 210 1611	2LW	
SA	0753	M13 OVC	5		H	142	64	58	12	03		995	/CIG LWR SE TOPS 024	2LW	
SA	0849	M14 OVC	5		H	142	65	58	18	05		995		2LW	
SP	093	M15 OVC	5		H				20	06		996	/FEW LWR SC	2LW	
SA	0950	M17 OVC	5		H	146	66	58	12	06		996	/FEW LWR SC TOPS 022	2LW	
													/ 103 1511 61		
L	1014	M18 BKN	5		H				21	04		996		2LW	
SP	1028	18 SCT	5		H				25	06		996		2LW	
SA	1055	18 - SCT	5		H	146	72	58	03	04		996		2LW	
SA	1151	CLR	5		H	142	71	58	19	09		995		2LW	
SA	1249	CLR	7			135	70	57	21	07		993	/ 210	2LW	
SA	1349	CLR	12			136	71	57	21	10		992		2LW	
SA	1448	CLR	14			122	74	57	22	08		989	/ST BKN SE-S AND SW	2LW	
SA	1550	CLR	6		H	119	75	58	27	07		988	/617 77	AD	
SA	1648	CLR	10			115	71	57	26	06		987		AD	
SA	1748	CLR	10			115	69	57	26	06		987		AD	
SA	1849	CLR	15			119	67	57	26	09		988	/500	AD	
SA	1949	CLR	15			122	66	54	26	06		989		AD	
SA	2047	CLR	14			125	65	56	27	04		990		AD	
SA	2149	CLR	12			125	63	57	13	05		990	/107 77	AD	
SA	2248	CLR	10			125	63	58	12	03		990	/FEW LWR LAST	AD	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII 1814VV Nddff 181TTT 281TdTd 3P0P0P0P0 4PPPP 5appp 6RRRr 7wwW1W2 8N1CLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S.GPO 1983-0-684-008/010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)										
SURFACE WEATHER OBSERVATIONS												DATE JUL 3 1987				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.						
TIME (L.S.T.)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL CLOUD COVER	PRES- SURE COR- RECTION	NET R-VAL CHANGE (In.)	SUR- FACE WIND (In.)	PRE- CIPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT								
00																						
01																						
02																						
03																						
04	47	29.870			10										10							
05	52	29.860			10										10							
06	54	29.910			10	10	ST	M12							10	2	.030					
07	53	29.910			10										10							
08	49	29.910			10										10							
09	50	29.920			10	0	SC	14	10	SC	M17	10			10	1	.010					
10	55	29.920			3										1							
11	51	29.910			0										0							
12	49	29.890			0										0	8	.030					
13	49	29.880			0										0							
14	48	29.850			0										0							
15	50	29.890			0										0	6	.050					
16	48	29.830			0										0							
17	48	29.825			0										0							
18	49	29.840			0										0	5	.000					
19	49	29.845			0										0							
20	47	29.855			0										0							
21	49	29.860			0										0	1	.020					
22	48	29.860			0										0							
23																						

SYNOPTIC OBSERVATIONS																	
TIME (L.S.T.)	TIME (G.M.T.)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA- LAMP (°F)	WIND TEMP. (°F)	STATE OF SKY	10	11	12	13	14	15	16	17	18
01	0744	1	0	0	0	63	62										
	0944	2	0	0	0	63	61										
	1547	3	0	0	0	77	66										
	2147	4	0	0	0	75	63										
	2300	5	0	0	0	64	63										

SUMMARY OF DAY OBSERVATIONS TO AIRPORT (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION							
20-HR. SEA- TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. PRECIP. WATER EQUIV. (In.)	20-HR. SNOWFALL WATER EQUIV. (In.)	20-HR. SNOW DEPTH (In.)	20-HR. WIND SPEED (Kts.)	20-HR. WIND DIRECTION (°)	20-HR. WIND GUST (Kts.)	20-HR. WIND SPEED (Kts.)	20-HR. WIND DIRECTION (°)	20-HR. WIND GUST (Kts.)	20-HR. WIND SPEED (Kts.)	20-HR. WIND DIRECTION (°)	20-HR. WIND GUST (Kts.)	20-HR. WIND SPEED (Kts.)	20-HR. WIND DIRECTION (°)	20-HR. WIND GUST (Kts.)	20-HR. WIND SPEED (Kts.)	20-HR. WIND DIRECTION (°)	20-HR. WIND GUST (Kts.)
62	62	0	0	0	16	SW	1402												

TIME: SUNRISE				SUNSET			
TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SKY	CHARACTER OF SKY	TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SKY	CHARACTER OF SKY

TIME CHECK - CLOCK AT: 0500P @ 1 Sec./1000P @ 1 Sec./1600P @ 1 Sec.			
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MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE JUL 4 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT			
SURFACE WEATHER OBSERVATIONS											
TIME 1 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY Miles 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6	TEMP. 7	WIND 8			ALTIMETER 9	REMARKS AND SUPPLEMENTAL CODED DATA 10	CORRECTION 11
						DIRECT 10-1	SPEED 10-2	CHANGING 10-3			
SA 0457	M1500	8		134.62	58	08	104	991	160	RHS	
SA 0555	M1500	14		132.63	57	08	05	992	1 Taps 021	RHS	
SA 0653	M1500	14		139.64	57	07	04	994	13.4 15/1	RHS	
SA 0750	M1500	15		142.65	57	12	07	995		RHS	
SA 0850	M1500	15		146.65	56	16	07	996	1 Taps 031	RHS	
SA 0951	M2600	15		142.64	56	07	05	995	15.1 15/1 60	RHS	
L 1016	M2600	15				14	09	995		RHS	
SA 1036	2060	15				19	08	995	15.1 15/1 60	RHS	
SA 1051	2060	15		142.70	57	14	07	995		RHS	
SA 1148	CLR	15		135.72	57	24	06	993		RHS	
SA 1246	CLR	15		129.72	57	23	05	991	1214	RHS	
SA 1352	CLR	15		122.74	57	18	06	989		RHS	
SA 1451	CLR	15		115.73	56	20	07	987		RHS	
SA 1550	CLR	15		112.73	56	21	07	986	617 74	RHS	
SA 1653	CLR	15		112.75	58	26	07	986		RHS	
SA 1751	CLR	14		108.72	58	26	07	985		RHS	
SA 1855	CLR	12		112.68	58	26	10	986	ST CSNT W/ 500 1600	RHS	
SA 1947	CLR	10		112.66	60	26	06	986		RHS	
SA 2048	CLR	6	K	119.65	60	26	06	988		RHS	
SA 2150	CLR	6	HK	125.64	59	28	04	990	214 75	RHS	
SA 2254	CLR	6	FH	125.64	59	00	00	990	LAST	RHS	

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related basic observation.

FM12-VII: 1111 1R12HVV Nddff 1aTTT 2aTdTd 3PoPoPo 4PPPP 5sepp 6RRR1r 7wwW1W2 8NCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED. U.S.GPO 1983-0-084-008/010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)										
SURFACE WEATHER OBSERVATIONS										DATE JUL 4 1987 To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.												
TIME (LST)	STATION PRESSURE (In.)	DIR. WIND (Kts)	WIND SPEED (Kts)	REL. HUMIDITY (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL CLOUD COVER	PRES. CHANGE (In.)	WIND DIRECTION (In.)	WIND SPEED (Kts)	PRECIPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT		
00																						
01																						
02																						
03																						
04	24.570				10												10					
05	24.880				10												10					
06	24.900				10	10	SC	MIS									10	3	.040			
07	24.910				10												10					
08	24.920				10												10					
09	24.910				10	10	SC	M20									10	0	.010			
10	24.910				4												4					
11	24.870				0												0					
12	24.870				0												0	2	.040			
13	24.850				0												0					
14	24.830				0												0					
15	24.820				0												0	6	.050			
16	24.820				0												0					
17	24.810				0												0					
18	24.820				0	0	ST	12									0	5	.000			
19	24.820				0												0					
20	24.840				0												0					
21	24.860				0												0	2	.040			
22	24.860				0												0					
23																						

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts)	WIND DIRECTION (In.)	STATE OF SKY	1	2	3	4	5	6	7	8	9
00	24.570	1	0	0	0	63	60										
01	24.570	1	0	0	0	64	60										
02	24.570	1	0	0	0	69	62										
03	24.570	1	0	0	0	74	69										
04	24.570	1	0	0	0	75	64										
05	24.570	1	0	0	0	64	64										

SUMMARY OF DAY OBSERVATIONS TO 2300P (2300P TO 2300P)										WEATHER & OBSTRUCTIONS TO VISION									
NO.	TIME (LST)	WIND SPEED (Kts)	WIND DIRECTION (In.)	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts)	WIND DIRECTION (In.)	PRECIP. (In.)	NO.	TYPE	BEGAN (In.)	ENDED (In.)	NO.	TYPE	BEGAN (In.)	ENDED (In.)		
75	60	0	0	0	0	0	15	SE	1011	4	K	2015	2225	8	H	2130	CONT		
											F	2225	CONT						

TIME: SUNRISE										SUNSET									
TOTAL SUNRISE (MIN.)					DURATION OF SUNRISE (MIN.)					CHARACTER OF SUNRISE					CHARACTER OF SUNSET				
PARTIAL OBSERVED										PARTIAL OBSERVED									
TIME CHECK - CLOCK AT: 0524P 21 Sec. 0430P 01 Sec. 1620P 01 Sec.																			

MF1-108 (10-83)

SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/008

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE JUL 5 1987	
				TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS	
TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP DEW POINT WIND SPEED DIRECTION WAVE HEIGHT PERIOD
1	2	3	4	5	6
0457	M1500	10		132.14	57.09.06
0553	M1200	14		139.65	56.09.05
0617	M2000	15			12.04
0640	M2000	15			09.04
0650	M2000	15		146.66	56.09.05
0748	M2000	15		149.69	55.09.07
0820	2000	15			10.05
0850	2000	15		146.69	56.20.02
0949	2000	15		146.71	57.21.08
1047	2000	15		149.71	57.23.06
1150	CLR	15		146.73	57.23.06
1247	CLR	15		139.72	58.23.06
1353	CLR	15		135.73	58.20.10
1451	CLR	15		129.74	59.20.07
1550	CLR	15		122.74	58.21.08
1649	CLR	15		119.74	59.26.08
1752	CLR	15		119.71	59.26.06
1855	CLR	15		122.68	58.26.08
1947	CLR	12		122.66	60.26.06
2054	CLR	10		129.64	60.26.06
2150	CLR	10		132.64	59.00.00
2255	CLR	8		132.64	59.20.06

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related Basic observation.

FM12-VII: IIIII R12HV Nddff 12TTT 22TdTdTd 3PoPoPoPo 4PPPP 5pppp 6RRRr 7www1W2 8MhCLCMCh plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1983-0-884-008/0010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE JUL 5 1987 To convert LST to GMT ADD -8 hrs. SUBTRACT	

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES. SURE TEND- ER- CY	NET S-M-R CHANG- (In.)	SUN- SHINE (In.)	PRE- CIPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
1A	1T	1B	1C	1D	1E	2A	2B	2C	3A	3B	3C	4A	4B	4C	5	6	7	8				
00																						
01																						
02																						
03																						
04	57	29.10			10										10							
05	53	29.875			10										9							
06	50	29.915			9	9	SC	M20							9	3	.045					
07	49	29.930			7										7							
08	50	29.920			5										5							
09	44	29.970			4	7	SC	20							4	0	.005					
10	47	29.925			2										2							
11	50	29.920			0										0							
12	47	29.900			0	0	SC	20							0	0	.020					
13	53	29.890			0										0							
14	51	29.870			0										0							
15	50	29.850			0	0	ST	15							0	7	.050					
16	49	29.840			0										0							
17	52	29.840			0										0							
18	55	29.850			0	0	ST	13							0	5	.000					
19	47	29.850			0										0							
20	54	29.870			0										0							
21	50	29.880			0										0	2	.030					
22	55	29.880			0										0							
23															0							
24																						

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (MPH)	STATE OF SKY	1	2	3	4	5	6	7	8	9
2300	2300	1	0	0	0	65	63										
0100	0100	1	0	0	0	65	63										
0400	0400	1	0	0	0	71	64										
0700	0700	1	0	0	0	75	70										
1000	1000	1	0	0	0	76	64										
1300	1300	1	0	0	0	65	64										

SUMMARY OF DAY (REFERENCE TO HANDBOOK) (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION			
10-MIN. MAX. TEMP. (°F)	10-MIN. MIN. TEMP. (°F)	10-MIN. PRECIP. WATER EQUIV. (In.)	10-MIN. SNOWFALL WATER EQUIV. (In.)	10-MIN. SNOW DEPTH (In.)	10-MIN. WIND SPEED (MPH)	10-MIN. WIND DIR. (°)	10-MIN. TIME (LST)	10-MIN. WIND SPEED (MPH)	10-MIN. WIND DIR. (°)	10-MIN. TIME (LST)	10-MIN. WIND SPEED (MPH)	10-MIN. WIND DIR. (°)	TYPE	BEGAN	ENDED
66	63	0	0	0	16	SW	1231						F	CONT	0400N
76	63	0	0	0	16	SW	1231						H	CONT	0400N

TIME: SUNRISE				SUNSET			
TOTAL DURATION (MIN.)	PERCENT OF POSSIBLE DURATION	CHARACTER OF SKY	CHARACTER OF SKY	TOTAL DURATION (MIN.)	PERCENT OF POSSIBLE DURATION	CHARACTER OF SKY	CHARACTER OF SKY

TIME CHECK - CLOCK AT: 0500P @ 2 Sec. 0900P @ 1 Sec. 1600P @ 1 Sec.

MP1-108
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION

LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE

JUL 6 1987

To convert LST to GMT
ADD 8 hrs. SUBTRACT hrs.

CLOUDS AND OBSCURING PHENOMENA														ADD		SUBTRACT		hrs								
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER			SECOND LAYER			SUM- MA- TION TOTAL 20	THIRD LAYER			SUM- MA- TION TOTAL 32	FOURTH LAYER			TOTAL SKY COVER 56	PRES. CORRECTION IN.	WET BULB CORRECTION (In.)	SUR- FACE WIND (Kts.)	PRECI- PITATION (In.)		
						AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT		AMT	TYPE	HEIGHT		AMT	TYPE	HEIGHT							
00																										
01																										
02																										
03																										
04	5	24.890			10																10					
05	1	24.910			10																10					
06	5	24.920			10	7	SC	M9	3	SC	10	10									10	3	.020			
07	4	24.930			10																10					
08	4	24.940			10																10				T	
09	5	24.940			10	2	SC	11	10	SC	M18	10									10	1	.020		T	
10	4	24.940			10																10				T	
11	6	24.925			6																10				T	
12	4	24.900			0	0	SC	15													5					
13	4	24.890			0																0	8	.070			
14	4	24.875			0																0					
15	4	24.855			0																0	8	.045			
16	4	24.840			0																0					
17	4	24.835			0																0					
18	4	24.840			0	0	SC	15													0	5	.015			
19	4	24.855			0																0					
20	4	24.875			0																0					
21	4	24.855			0																0	1	.040			
22	4	24.880			0																0					
23																										

SYNOPTIC OBSERVATIONS

TIME (LST)	TIME (GMT)	NO.	PRECIP.	SHO. FALL (In.)	SHO. DEPTH (In.)	REL. HUMIDITY (%)	WIND TEMP. (°F)	STATE OF SKY	STATE OF SEA	STATE OF ICE	STATE OF WATER	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND
01	0900	1	0	0	0	66	64															
02	1000	1	0	0	0	66	64															
03	1100	1	0	0	0	65	62															
04	1200	1	0	0	0	73	64															
05	1300	1	0	0	0	74	64															
06	1400	1	0	0	0	64	63															

STATION PRESSURE COMPUTATIONS

TIME (LST)	TIME (GMT)	NO.	PRECIP.	SHO. FALL (In.)	SHO. DEPTH (In.)	REL. HUMIDITY (%)	WIND TEMP. (°F)	STATE OF SKY	STATE OF SEA	STATE OF ICE	STATE OF WATER	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND
01	0900	1	0	0	0	66	64															
02	1000	1	0	0	0	66	64															
03	1100	1	0	0	0	65	62															
04	1200	1	0	0	0	73	64															
05	1300	1	0	0	0	74	64															
06	1400	1	0	0	0	64	63															

SUMMARY OF DAY OBSERVATIONS (2300P TO 2300P)

NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.	NO. OF OBS.
74	62	T	0	0	15	SW	1420															

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
1	0735	0930																					
2	0935	1210																					

TIME	SUNRISE	SUNSET	TIME	SUNRISE	SUNSET	TIME	SUNRISE	SUNSET	TIME	SUNRISE	SUNSET	TIME	SUNRISE	SUNSET	TIME	SUNRISE	SUNSET	TIME	SUNRISE	SUNSET	TIME	SUNRISE	SUNSET
01			02			03			04			05			06			07			08		

TIME CHECK - CLOCK AT: 0500P @ 1 sec. / 0430P @ 1 sec. / 1630P @ 1 sec.

1/ LAST OF SEVERAL OLG VARENCES

SP=

RS=

MP1-108 (10-83)

SUPERSEDES MP1-108 (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/009

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE JUL 7 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS					
SURFACE WEATHER OBSERVATIONS													
TIME Z	TYPE	SEA AND CEILING Hundredths of Foot ft.	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm.	TEMP DB	WIND			ALTIMETER SETTING Inches	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
			Stat	SM				Dir	Spd	Gust			
0447	SA	M19 OVC	8			132.64	58	04	03		992	62	2LW
0553	SA	M19 OVC	8			135.66	58	05	03		993		2LW
0651	SA	M19 OVC	8			139.67	58	12	05		994	TOPS 326 / 207 1511	2LW
0754	SA	M19 OVC	10			142.68	58	10	08		995	TOPS 326	2LW
0852	SA	17 SCT M19 OVC	10			139.67	59	15	08		994	TOPS 328	2LW
0950	SA	17 SCT M19 OVC	10			142.68	58	18	10		995	TOPS 328	2LW
1048	SA	17 SCT E22 BKN	12			142.70	59	19	07		995	TOPS 328	2LW
1125	SA	17 SCT	14					22	08		995		2LW
1151	SA	17 SCT	15			139.71	58	22	08		994		2LW
1249	SA	CLR	15			139.71	58	20	10		994	FEW SC / 603 1500	2LW
1349	SA	CLR	15			132.72	58	20	10		992		2LW
1449	SA	CLR	15			125.73	58	21	08		990		2LW
1551	SA	CLR	14			119.71	59	20	06		988	720 73	AD
1645	SA	CLR	14			115.70	59	21	06		987	FEW CI	AD
1750	SA	CLR	12			112.70	59	18	06		986	FEW CI STS	AD
1850	SA	300 - SCT	12			115.68	59	25	10		987	1ST DSNT SE-3 / 505 1601	AD
1949	SA	CLR	10			115.66	59	27	06		987	FEW CI	AD
2048	SA	CLR	10			119.65	59	27	05		988		AD
2150	SA	CLR	10			115.65	59	03	03		987	002 73	AD
2249	SA	CLR	8			115.64	59	00	00		987	1ST DSNT S-W LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1012hVV Nddff 10TTT 20TdTdTd 3P0P0P0P0 4PPPP 5app 6RRR1R 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S. GPO 1983-0-884-008/010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE JUL 8 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT					
SURFACE WEATHER OBSERVATIONS													
TIME 1 2	TIME 3 4	SKY AND CEILING Hundred Feet 5	VISIBILITY Miles 6		WEATHER AND OBSTRUCTIONS TO VISION 7	SEA LEVEL PRESS. 8	TEMP 9	DEW PT. 10	WIND 11		ALTIM ETER 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	CORRECTION 14
			15	16					17	18			
SA 0447		M10 OVC	7			108	65	59	12	09	985	/CIG RGD/ 64	BLW
SA 0554		M13 OVC	7			112	65	59	15	06	986	/CIG RGD TOPS 027	BLW
SA 0647		M13 OVC	8			112	65	58	18	05	986	/CIG RGD/ 110 1611	BLW
SA 0753		M11 BKN 13 OVC	8			115	64	59	17	06	987	/CIG RGD TOPS 025	BLW
SA 0851		M12 BKN 14 OVC	8			115	65	59	16	05	987		BLW
SA 0950		M BKN 13 OVC	6		H	119	65	59	14	06	988	/CIG RGD TOPS 025	BLW
												307 1611 64	
SA 1052		M12 OVC	6		H	122	65	59	18	06	989	/CIG RGD	BLW
SA 1151		M13 OVC	8			119	66	59	19	06	988	/CIG RGD	BLW
SP 1216		M17 BKN 20 OVC	8						16	07	987	/FEW LWR SL	BLW
SA 1244		M15 BKN 19 BKN	8			115	68	59	15	07	987	/CIG LWR SE-SW/ 603	BLW
												1500	
SA 1344		15 SCT M19 OVC	8			112	68	59	20	04	986	/BKN LWR SW	ML
SA 1444		M15 BKN 19 BKN	10			108	67	59	20	07	985	/USBY LWR S	ML
SP 1526		M12 BKN 20 OVC	10						19	07	984		AD
SA 1552		M14 BKN 20 OVC	10			102	68	59	18	06	983	/BKN V SCT THN SPOTS 10VC	AD
												1814 1511 69	
SP 1633		14 SCT M17 OVC	10						17	05	983		AD
SA 1657		14 SCT M17 OVC	10			102	67	58	18	04	983		AD
SA 1752		14 SCT M17 OVC	14			098	67	58	18	05	982		AD
SA 1849		12 SCT M17 OVC	15			098	66	59	15	04	982	/603 1511	AD
SA 1948		12 SCT M17 BKN 22 OVC	12			102	66	59	16	04	983		AD
SA 2050		12 SCT 17 SCT M20 OVC	10			105	66	59	12	04	984	/THN SPOTS 10VC	AD
SA 2151		12 SCT M15 BKN 20 OVC	10			105	66	59	14	04	984	/107 1511 69	AD
SA 2249		15 SCT M23 OVC	10			105	65	59	15	04	984	/BKN OVC LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: IIII 1R12HV Nddff 1gnTTT 2gnTdTdTd 3PoPoPoPoPo 4PPPP 5apppp 6RRRR 7wwW1W2 8MhCLMCH plus regional and national data groups.

SUPERSEDES MP 1-10A 11-83 WHICH MAY BE USED.

U.S. GPO: 1983-0-284-005/8010

U.S. GPO 1983-4-784-000-0000

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS				DATE JUL 9 1987									
				TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.									
TIME Z	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. in.	TEMP. air °F	DEW PT. °F	WIND			ALTIM. ETER SET TING in.	REMARKS AND SUPPLEMENTAL CODED DATA	OBS. CORR. REMARKS
		Surface	Upper					Dir.	Speed	Gust			
SA 10447	M16 OVC	15			102.65	58	13	05			983	FEW LWR SC / 65	SLW
SA 10555	M17 OVC	15			108.64	57	14	07			985	CIG RG-D TOPS 233	SLW
SA 10651	15 SCT M19 OVC	15			108.65	57	12	05			985	1103 1511	SLW
SA 10752	18 SCT M22 OVC	15			115.66	57	14	06			987		SLW
SA 10853	M17 BKN 22 OVC	15			119.66	58	12	06			988	FEW SML CWS TOPS 235	SLW
SA 10950	M18 BKN 25 OVC	15			122.68	58	16	06			989	214 1811 64	SLW
SA 11050	15 SCT M25 OVC	15			119.67	59	18	09			988	BKN OVC S	SLW
SA 11148	20 SCT E28 OVC	20			119.69	59	18	13			988	SML BKN OVC S-SW	SLW
L 1210	20 SCT E28 BKN 250 BKN	20					17	10			988		SLW
SA 1235	20 SCT 26 SCT 250-BKN	20					15	08			988	WIND 12024	SLW
SA 1249	20 SCT 28 SCT E250 BKN	20			115.71	60	20	10			987	28 SCT V BKN / 807 1801	SLW
SA 1344	30 SCT E30 BKN 250 BKN	20			115.71	58	22	10			987		SLW
SA 1444	E30 BKN 250 BKN	20			112.71	58	22	08			986	FEW LWR SC	SLW
SA 1552	250 - BKN	30			105.70	57	21	07			984	FEW SC / 812 1512 272 AD	AD
SA 1650	250 - BKN	30			102.69	58	19	08			983	FEW SC	AD
SA 1745	E250 BKN	30			102.68	57	18	06			983	SC SE-W	AD
SA 1852	250 - BKN	30			105.67	57	21	07			984	FEW SC / 802 1512	AD
SA 1950	250 - BKN	25			108.66	58	18	05			985	FEW SC	AD
SA 2048	25 SCT 250 - SCT	20			115.65	59	14	05			987		AD
SA 2151	250 - SCT	20			115.65	58	16	04			987	SC S-NW / 110 1501 12 AD	AD
RS 2249	M15 BKN 25 OVC	20			122.65	58	16	04			989	BKN OVC 475T	AD

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R13HVV Nddff 10nTTT 20nTdTd 3PoPoPoPo 4PPPP Spppp 6RRR1R 7wwW1W2 8NnCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (11-82) WHICH MAY BE USED.

U.S.G.P.O. 1985-0-884-008/010

U.S. GPO: 1963-0-754-070

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)											
SURFACE WEATHER OBSERVATIONS												DATE JUL 10 1987				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.							
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL CLOUD COVER	PRES. TENDENCY (In.)	NET CHANGE (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	PRECIPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER								
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT									
00																							
01																							
02																							
03																							
04	7	29.870			10									10									
05	51	29.870			10									10									
06	52	29.870			10	3	STRA	9	6	ST	M12	9	1	SC	17	10							
07	51	29.880			10																		
08	53	29.880			10																		
09	50	29.870			10	7	ST	M10	3	SC	15	10											
10	54	29.880			10																		
11	52	29.890			10																		
12	49	29.875			10	6	SC	E19	4	SC	25	10											
13	49	29.870			10																		
14	49	29.860			7																		
15	49	29.840			7	1	SC	20	5	S.	ELF	6	1	CI	250	7							
16	54	29.840			3																		
17	47	29.830			3																		
18	47	29.830			3	2	SC	30	1	CI	250	3											
19	46	29.840			1																		
20	52	29.870			1																		
21	53	29.860			3	3	SC	25															
22	49	29.860			4																		
23																							

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GMT)	NO.	PRESS.	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	STATE OF SKY	1	2	3	4	5	6	7	8	9
01	0944	1	T	0	0	65	62										
02	0444	1	T	0	0	65	62										
03	0948	1	T	0	0	64	62										
04	1545	1	T	0	0	71	63										
05	2145	1	O	0	0	71	65										
06	2300	1	O	0	0	65	65										

SUMMARY OF DAY OBSERVATIONS TO OBSERVATION (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION							
WIND SPEED (Kts.)	WIND DIRECTION (°)	WIND GUST (Kts.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	WIND GUST (Kts.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	WIND GUST (Kts.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	WIND GUST (Kts.)	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED		
71	62	T	0	0	12	5	137					L	UNKN	0740					
												L	0840	1017					

TIME				SUNRISE				SUNSET			
TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
0500P	0500P	0500P	0500P	0500P	0500P	0500P	0500P	0500P	0500P	0500P	0500P

TIME CHECK - CLOCK AT: 0500P		± 0 Sec. / 1000P		± 0 Sec. / 1510P		± 0 Sec.	
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MP1-108 (10-83)

SUPERSEDES MP1-108 (1-82) WHICH MAY BE USED

U.S. GPO: 1983-0-784-008/808

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUL 11 1987		TO CONVERT LST TO GMT ADD -8 HRS SUBTRACT _____ HRS	
TIME FLST	SKY AND CEILING Hundreds of Feet 31	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS Mils	TEMP F	DEW PT F	WIND					ALTIMETER SET TIME Inches	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION IN INCHES
		SEA	LAND					DIRECTION Kts	SPEED Kts	MAX Kts	MIN Kts	AVG Kts			
SA 0950	M 15 OVC	15			135	65	58	11	04			993	/ 65	AD	
SA 0548	M 17 OVC	15			142	65	58	12	04			995	/WSBY HIRW TOPS C36	AD	
SA 0650	M 15 OVC	15			146	65	58	09	04			996	/WSBY HIRW /312 15//	AD	
SA 0749	15 SCT M 23 OVC	15			149	66	58	07	04			997		AD	
SA 0849	18 SCT M 25 OVC	15			149	69	58	07	03			997	/FEW BKNCL	AD	
SA 0950	18 SCT M 24 OVC	20			149	69	58	20	07			997	/103 15// 68	AD	
SA 1047	20 SCT E 28 OVC	20			149	71	58	23	05			997	/WMB BKNCL TOPS C35	AD	
K 1126	E 30 BKN	20						27	06			996		AD	
SA 1150	30 SCT 250 SCT	20			146	73	58	23	08			996		AD	
SA 1248	250 SCT	20			142	73	58	22	09			995	/FEW SC /808 1502	AD	
SA 1354	250 SCT	20			135	73	58	22	10			993		RLS	
SA 1449	250 SCT	25			135	73	58	22	10			993		RLS	
SA 1552	250 SCT	20			132	73	58	21	08			992	/708 1002 75	RLS	
SA 1646	250 SCT	20			124	71	58	26	08			991		RLS	
SA 1748	250 SCT	25			132	70	59	27	06			992	/SC W H 2-N	RLS	
SA 1850	250 SCT	25			135	67	58	26	10			993	/SC SW-W H 2-N/303 1501	RLS	
SA 1947	250 SCT	25			142	66	58	26	08			995	/SC W H 2-N	RLS	
SA 2051	250 SCT	20			149	65	58	26	06			997		RLS	
SA 2149	250 SCT	20			152	64	58	24	06			998	/SC W /117 1501 75	RLS	
SA 2247	250 SCT	15			154	63	58	26	05			000	/LAST	RLS	

A synoptic observation using WMO code FM12-VII, as described in FMH-7, is entered on line following related basic observation.

FM12-VII. 1111 1R12HVY NddH 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRR1R 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (1-63) WHICH MAY BE USED. U.S.GPO 1983-0-084-008/0010

MF1-108 (10-83)										U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS										DATE JUL 11 1987										To convert LST to GMT ADD 8 hrs. SUBTRACT _____ hrs.									

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL OBS. SKY COVER	PRES. TENDEN- CY	WIND SPEED (In.)	WIND DIRECTION (In.)	PRECIP- ITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT		
00																						
01																						
02																						
03																						
04	50	29.570			10										10							
05	48	29.555			10										10							
06	50	29.920			10	10	SC	M15							10	3	.035					
07	49	29.930			10										10							
08	49	29.930			10										10							
09	50	29.930			10	3	SC	18	10	SC	M24	10			10	1	.010					
10	47	29.930			10										9							
11	50	29.920			2										2							
12	48	29.905			1	0	SC	30	1	CI	250	1			1	8	.025					
13	54	29.840			2										2							
14	48	29.890			1										1							
15	52	29.830			3	3	CI	250							2	7	.025					
16	46	29.820			3										2							
17	48	29.875			2										2							
18	50	29.840			1	0	SC	15	1	CI	250	1			1	3	.010					
19	47	29.810			1										0							
20	51	29.930			2										1							
21	49	29.940			2	0	SC	15	2	CI	250	2			2	1	.050					
22	47	29.955			3										2							
23																						
24																						

SYNOPTIC OBSERVATIONS															STATION PRESSURE COMPUTATIONS														
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (In.)	WIND DIRECTION (In.)	STATE OF SKY	STATE OF SEA	STATE OF ICE	STATE OF FROST	STATE OF HAIL	STATE OF SLEET	STATE OF RAIN	TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (In.)	WIND DIRECTION (In.)	STATE OF SKY	STATE OF SEA	STATE OF ICE	STATE OF FROST	STATE OF HAIL	STATE OF SLEET	STATE OF RAIN
00	0800	41	0	0	0	65	65																						
01	0848	41	0	0	0	65	65																						
02	0948	41	0	0	0	65	65																						
03	1047	41	0	0	0	70	65																						
04	1145	41	0	0	0	75	68																						
05	1245	41	0	0	0	75	64																						
06	1300	41	0	0	0	64	63																						

SUMMARY OF DAY (2300P TO 2300P)															WEATHER & OBSTRUCTIONS TO VISION									
NO.	TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (In.)	WIND DIRECTION (In.)	STATE OF SKY	STATE OF SEA	STATE OF ICE	STATE OF FROST	STATE OF HAIL	STATE OF SLEET	STATE OF RAIN	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED			
75	63	0	0	0	0	16	SW	1411																

SUNRISE										SUNSET									
TOTAL DURATION					PERCENT OF POSSIBLE DURATION					CHARACTER OF SUNSET					CHARACTER OF SUNSET				
PARTIAL OBSERVED					OR PARTIAL CALC.					PARTIAL OBSERVED					OR PARTIAL CALC.				
TIME CHECK - CLOCK AT: 0500P ±0 Sec./1000P										±0 Sec./ 1534P ±0 Sec.									

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. TAUGHERTY FIELD		DATE JUL 12 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT	
SURFACE WEATHER OBSERVATIONS																	
TIME (LST)	TYPE	SKY AND CEILING (Hundred Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Inches)	TEMP. (F)	DEW PT. (F)	WIND			ALTIM. ETER. SET. TING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	CORR. CORRECTION (Inches)			
			SURFACE	CEILING					DIRECTION (True)	SPEED (Knots)	WAVE HEIGHT (Feet)						
0452	SA	M 19 OVC	7			159	65	57	04	04		000	63 THN SPOTS 10V L	AD			
0548	SA	M 19 OVC	7			159	65	57	32	03		000	THN SPOTS 10V L TOPS 025	AD			
0649	SA	M 20 OVC	7			163	66	57	03	03		001	FEW THN SPOTS 10V L TOPS 027	AD			
0749	SA	M 20 OVC	6		H	166	69	57	32	03		002	305 1511	AD			
0809	SP	19 SCT	5		H				25	04		002	BINOV	AD			
0849	SA	24 SCT	5		H	163	73	58	03	03		001		AD			
0949	SA	CLR	5		H	163	77	58	28	05		001	802 63	AD			
1048	SA	CLR	6		H	156	77	59	22	07		999		AD			
1148	SA	CLR	7			152	78	59	18	09		998		AD			
1248	SA	CLR	8			149	82	59	25	09		997	1714	AD			
1353	SA	CLR	15			146	80	58	26	09		996		AMS			
1454	SA	CLR	15			142	77	59	27	10		995		AMS			
1553	SA	CLR	15			139	75	59	26	09		994	1808 83	AMS			
1646	SA	CLR	15			135	73	59	27	10		993		AMS			
1752	SA	CLR	15			139	71	59	26	09		994		AMS			
1950	SA	CLR	20			139	68	60	26	09		994	1500	AMS			
1946	SA	CLR	25			146	66	60	25	08		996		AMS			
2048	SA	CLR	20			149	65	59	26	08		997		AMS			
2148	SA	CLR	20			152	65	58	28	08		998	1114 83	AMS			
2247	SA	CLR	15			152	64	59	28	07		998	LAST	AMS			

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related basic observation.

FM12-VII: 1111 1R12HVV Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aupp 6RRR1r 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (1-62) WHICH MAY BE USED. U.S. GPO: 1983-0-284-008/0010

MP 1-100 (10-03)

SUPERSEDES MP1-100 (1-62) WHICH MAY BE USED.

• U.S. GPO : 1953-0-754-006-0000

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE JUL 13 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT	
SURFACE WEATHER OBSERVATIONS																	
TIME Z	TYPE	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Hrs	TEMP DB	WIND DIR	WIND SPEED KTS	WIND GUST KTS	ALTIM ETER SET TING	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION TO REMARKS				
			Surface	Lower													
0447	SA	CLR	7			149	61	59	10	03	997	61	BW				
0553	SA	CLR	7			152	63	59	06	04	998	45BY LWR NE-E	BW				
0654	SA	CLR	7			152	68	60	27	04	998	45BY LWR NE-E / 500	BW				
0751	SA	CLR	7			152	72	59	33	04	998		BW				
0851	SA	CLR	7			152	72	61	22	07	998		BW				
0950	SA	CLR	8			152	72	61	18	08	998	400 61	BW				
1052	SA	CLR	8			149	74	61	19	08	997		BW				
1148	SA	CLR	7			146	78	60	18	06	996		BW				
1212	SP	CLR	6		HK				26	10	995	WSHFT 08	BW				
1249	SA	CLR	10			142	81	60	24	10	995	710	BW				
1346	SA	CLR	14			135	82	60	E27	08	993		MI				
1446	SA	CLR	15			132	81	59	E27	08	992	CINE	ML				
1550	SA	CLR	15			125	79	59	E27	10	990	FEW SC DSNT W CINE /	AD				
												717 / 501 82					
1649	SA	CLR	15			122	76	59	E28	09	989	SC DSNT W FEW CINE	AD				
1748	SA	CLR	15			125	72	61	E28	10	990	SC DSNT W FEW CINE	AD				
1849	SA	CLR	15			129	69	60	E28	10	991	FEW SC DSNT W CINE	AD				
												302 1501					
1949	SA	CLR	12			132	67	59	E28	07	992	SC DSNT W-NW	AD				
2047	SA	CLR	10			135	66	61	E29	06	993	SC DSNT W-NW	AD				
2150	SA	CLR	8			139	65	61	E28	05	994	SC DSNT W-NW /	AD				
												212 1500 82					
2248	SA	CLR	8			135	64	61	E28	04	993	SC DSNT W-NW LAST	AD				

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII R12HYV Nddff 1aTTT 2aTdTdTd 3P0P0P0P0 4PPPP 5aPPP 6RRR1r 7wwW1W2 8MhCLCMCh plus regional and national data groups.

SUPERSEDES MP 1-10A 11-85 WHICH MAY BE USED.

U.S.G.P.O. 1983-0-484-008/2010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE JUL 13 1987	
				To convert LST to GMT ADD 7 hrs. SUBTRACT	

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O-PAQUE SKY COVER	PRES- SURE COR- RECTED (In.)	NET BAROMETER CHANGE (In.)	SIGN- ATURE (In.)	PREC- IPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT					
00																						
01																						
02																						
03																						
04	7	29.930			0										0							
05	53	29.940			0										0							
06	54	29.940			0										0	5	.000					
07	51	29.940			0										0							
08	51	29.940			0										0							
09	50	29.940			0										0	4	.000					
10	52	29.930			0										0							
11	48	29.920			0										0							
12	49	29.910			0										0	7	.030					
13	44	29.890			0										0							
14	49	29.880			0										0							
15	50	29.860			0	0	SC	12	0	CI	250	0			0	7	.050					
16	49	29.850			0										0							
17	48	29.855			0										0							
18	49	29.865			0	0	SC	12	0	CI	250	0			0	3	.005					
19	49	29.875			0										0							
20	47	29.890			0										0							
21	50	29.900			0	0	SC	10							0	2	.035					
22	48	29.890			0										0							
23																						

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (MPH)	STATE OF SKY	STATE OF SKY	STATE OF SKY	STATE OF SKY	STATE OF SKY	STATE OF SKY	STATE OF SKY	STATE OF SKY	STATE OF SKY	STATE OF SKY
00	0300	1	0	0	0	64	61										
01	0444	1	0	0	0	65	61										
02	0444	1	0	0	0	74	61										
03	0748	1	0	0	0	82	72										
04	1546	1	0	0	0	80	65										
05	2147	1	0	0	0	80	65										
06	2300	1	0	0	0	65	64										

STATION PRESSURE COMPUTATIONS											
TIME (LST)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (MPH)	STATE OF SKY	STATE OF SKY	STATE OF SKY	STATE OF SKY
00	0300	1	0	0	0	64	61				
01	0444	1	0	0	0	65	61				
02	0444	1	0	0	0	74	61				
03	0748	1	0	0	0	82	72				
04	1546	1	0	0	0	80	65				
05	2147	1	0	0	0	80	65				
06	2300	1	0	0	0	65	64				

SUMMARY OF DAY (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION			
24-HR. WIND DIR. (°)	24-HR. WIND SPEED (MPH)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND DIR. (°)	24-HR. WIND SPEED (MPH)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND DIR. (°)	24-HR. WIND SPEED (MPH)	TYPE	BEGAN (LST)	ENDED (LST)	
82	61	0	0	0	14	W	1514					H	1205	1240	
												K	1205	1240	

TIME: SUNRISE				SUNSET			
TOTAL DURATION (MIN.)	PERCENT OF HORIZON VISIBLE	CHARACTER OF SKY	QUANTITY OF SUNSET	TOTAL DURATION (MIN.)	PERCENT OF HORIZON VISIBLE	CHARACTER OF SKY	QUANTITY OF SUNSET

TIME CHECK - CLOCK AT: 0500P ± 0 Sec./100P ± 0 Sec./1600P ± 1 Sec.			
LAST OF SEVERAL OCCURRENCES			
WIND SPEED DIRECTION INDICATOR INOPERATIVE 1300-CONT			
WIND DIR ESTIMATED			
SP=			
RS=			

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE JUL 14 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u>0</u> HRS.					
SURFACE WEATHER OBSERVATIONS													
TIME Z	TYPE	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm.	TEMP. °F	DEW PT. °F	WIND DIR-SPEED °-KTS	ALTIM. ETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	COR. REMARKS	
			41	40									
0447	CA	MIC OVC	4		FH	129	65	60	E06	03	991	/CIG RG-D/ 63	2LW
0551	SA	MIC OVC	5		FH	129	65	60	E12	05	991	/TAPS 0.8	2LW
0649	SA	MIC OVC	5		FH	132	65	60	E14	04	992	/CIG RG-D/ 500 1611	2LW
0734	SP	M9 BKN 11 OVC	5		FH				E 7	08	993	/CIG RG-D	2LW
0752	SA	M8 BKN 11 OVC	5		FH	135	65	61	E16	08	993	/CIG RG-D TAPS 0.8	2LW
0850	SA	M9 BKN 11 OVC	6		H	139	66	60	E16	08	994	/CIG RG-D TAPS 0.9	2LW
0948	SP	MIC OVC	6		H				E15	04	994	/CIG RG-D	2LW
0950	SA	M12 OVC	6		H	139	68	60	E14	06	994	/SM L BINCVC/ 107	2LW
												1611 63	
1007	L	M14 BKN	6		H				E12	04	994		2LW
1017	SP	15 SCT	6		H				E19	07	994	/CIG LWR SE-SW	2LW
1054	SA	CLR	7			135	72	60	E16	08	993	/FEW SC SE-SW	2LW
1148	SA	CLR	7			129	75	61	E17	08	991		2LW
1249	SA	CLR	7			122	75	61	E17	13	989	/ 717	2LW
1349	SA	CLP	7			112	77	62	E28	05	986		ML
1449	SA	CLR	8			108	81	64	E30	08	985		ML
1551	SA	CLR	10			095	78	61	E29	08	987	/FEW SC DSNT W/ 827 1500	AD
												82	
1648	SA	CLR	10			095	75	61	E29	06	981	/FEW SC DSNT W	AD
1757	SA	CLR	8			098	71	61	E29	09	982	/FC DSNT W-NW	AD
1850	SA	CLR	6		H	108	67	61	E28	09	985	/SC W-NW/ 314 1500	AD
1950	SP	12 SCT	6		H	115	66	61	E28	06	987		AD
2015	SP	M12 OVC	7			66	64		E28	05	988		AD
2050	SA	M 13 OVC	7			122	66	61	E29	04	989		AD
2152	SA	M 12 OVC	7			125	67	61	E30	06	990	/117 1511 82	AD
2248	SA	8 SCT M 12 OVC	7			125	65	60	E18	08	990	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on the following related Basic observation.

FM12-VII: IIII 1R12HVV NddH 10TTT 20TdTdTd 3P0P0P0P0 4PPPP 5eppp 6RRRr 7wwW1W2 BNhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (5-83) WHICH MAY BE USED.

U.S.GPO: 1983-0-284-002/8010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE JUL 14 1987										To convert LST to GMT ADD 8 hrs. SUBTRACT _____ hrs.									
TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAVING DEPT (In.)	PRES- SURE TEND- ENCY	NET DNR. CHANGE (In.)	SUM- MER- SUN- TIME (In.)	PREC- IPITATION (In.)						
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER													
							AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT											
00																													
01																													
02																													
03																													
04	47	29.870				10													10										
05	51	29.870				10													10										
06	49	29.880				10	10	ST	M10									10	5	.300									
07	52	29.890				10												10											
08	50	29.900				10												10											
09	50	29.900				10	10	ST	M12									10	1	.200									
10	54	29.810				0												0											
11	48	29.870				0												0											
12	49	29.850				0												0	7	.050									
13	49	29.820				0												0											
14	49	29.825				0												0											
15	51	29.770				0	0	SC	10									0	8	.080									
16	48	29.770				0												0											
17	51	29.780				0												0											
18	50	29.810				0	0	SC	10									0	3	.040									
19	50	29.830				1												1											
20	50	29.850				10												10											
21	52	29.860				10	10	SC	M12									10	1	.050									
22	48	29.855				10												10											
23																													

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND DIRECTION	STATE OF SKY	1	2	3	4	5	6	7	8	9
01	29.800	11	0	0	0	65	63	XX									
02	29.444	1	0	0	0	65	63										
03	29.444	1	0	0	0	65	63										
04	29.448	2	0	0	0	69	64										
05	15.47	3	0	0	0	82	68										
06	21.47	4	0	0	0	78	66										
07	23.00	5	0	0	0	67	65	XX									

SUMMARY OF DAY (REFERENCE TO HANDBOOK) (2300P-2300P)										STATION PRESSURE COMPUTATIONS									
WIND DIR.	WIND SPEED	WIND GUST	WIND SPEED AT 1000P	WIND SPEED AT 1600P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P	WIND SPEED AT 2300P		
82	63	0	0	0	16	(S)	1244												

WEATHER AND OBSTRUCTIONS TO VISION									
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
F	UNKN	0840	H	UNKN	1035				
H	1830	2010							

TIME: SUNRISE										SUNSET									
TOTAL CLOUDS (In.)										PERCENT OF POSSIBLE CLOUDS									
FACTORY OBSERVED MINUTE AND SECOND										ON PASTEST MINUTE AND SECOND									
TIME CHECK - CLOCK AT: 0500P										@ 1 Sec. / 1000P									
WIND DIRECTION INDICATOR INOPERATIVE CONT										WIND DIR ESTIMATED									
LAST OF SEVERAL OCCURRENCES										SP=									
										RS=									

MF1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STAT OF LONG BEACH, CALIF. (DAUGHERTY FIELD)										
SURFACE WEATHER OBSERVATIONS						DATE JUL 15 1987										
						TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS										
TIME ZULST	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. IN.	TEMP AT SURFACE	DEW PT AT SURFACE	WIND DIRECTION SPEED IN KNOTS	WIND GUSTS IN KNOTS	WIND SHEAR IN KNOTS	WIND SHEAR IN KNOTS	WIND SHEAR IN KNOTS	WIND SHEAR IN KNOTS	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION IN KNOTS	
		Surface	Lower													
SA 0448	M10 OVC	6		H	115	65	60	E12	04					987	/CIG RGD/ 64	2W
SA 0554	M10 OVC	6		H	119	65	60	E14	06					988	/CIG RGD TOPS 322	2W
SP 0615	M9 OVC	6		H				E13	05					988	/CIG RGD	2W
SP 0651	6 SCT M8 OVC	6		H				E16	08					989	/CIG RGD	2W
SA 0651	6 SCT M8 OVC	6		H	122	65	61	E12	05					989	/CIG RGD/ 303 1611	2W
SA 0753	6 SCT M8 OVC	6		H	125	65	60	E14	07					990	/CIG RGD/ TOPS 322	2W
SP 0837	6 SCT 8 SCT M10 OVC	6		H				E15	06					990	/CIG RGD	2W
SA 0851	8 SCT M11 OVC	6		H	125	65	60	E14	07					990	/CIG RGD TOPS 323	2W
SP 0936	M8 BKN 12 OVC	6		H				E12	06					991	/CIG RGD	2W
SA 0950	M8 BKN 12 OVC	7		L-	129	65	61	E12	08					991	/LG40 CIG RGD/ 30700	2W
															1611 64	
SP 1024	8 SCT M10 OVC	7						E14	08					991	/CIG RGD	2W
SA 1055	8 SCT M10 OVC	8			129	67	59	E16	08					991	/LE20 CIG RGD TOPS	2W
															022	
SA 1151	9 SCT M11 OVC	8			125	66	60	E17	09					990	/SCT V BKN CIG RGD	2W
SP 1216	M9 BKN 11 OVC	8						E18	09					990	/CIG RGD	2W
SA 1249	M9 BKN 12 OVC	12			122	68	61	19	07					989	/BKN V SCT CIG RGD	2W
															TOPS 020/ 80700 1511	
SP 1303	M12 OVC	12						16	07					988	/CIG RGD	ML
SA 1350	M12 OVC	12			115	68	60	18	09					987	/BKN OVC E	ML
L 1410	E13 BKN	12						18	08					986		ML
SA 1424	14 SCT	12						18	07					986	/SCT V BKN	ML
SA 1449	14 SCT 15 SCT	12			109	70	61	19	08					985		ML
SA 1553	14 SCT 15 SCT	12			102	69	60	19	09					983	/72000 1570 71	AMS
SA 1647	15 SCT 15 SCT	10			098	68	61	20	10					982		AMS
SA 1716	15 SCT	10			102	67	61	17	09					983		AMS
SA 1855	15 SCT 15 SCT	12			102	66	61	16	09					983	/500 1570	AMS
SP 1932	M12 BKN	10						17	06					984	/TOPS 016	AMS
SA 1951	M12 OVC	10			108	65	61	16	09					985	/500 BKN OVC	AMS
SP 2025	8 SCT M11 OVC	10						16	09					986		AMS
SA 2048	8 SCT M11 OVC	10			112	65	61	15	09					986		AMS
SP 2120	M8 BKN 11 OVC	10						17	08					986		AMS
SA 2149	M9 OVC	8			112	65	61	18	07					986	/110 1611 71	AMS
SA 2246	M9 OVC	7			115	65	61	15	07					987	/CIG RGD LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related Basic observation.

FM12-VII: 1111 1R1HVV Nddff 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRR1R 7wwW1W2 8N1CLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-884-008/8010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)					
SURFACE WEATHER OBSERVATIONS				DATE JUL 15 1987					
				To convert LST to GMT ADD 2 hrs. SUBTRACT					
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER				
00									
01									
02									
03									
04	29.830				10				
05	29.840				10				
06	29.850				10 3 ST 6 7 ST M8 10				
07	29.860				10				
* 08	29.860	65.3	61.8		10				
09	29.870				10 8 ST M8 2 ST 12 10				
* 10	29.870	66.8	62.0		10				
* 11	29.860	66.0	62.2		10				
12	29.850				10 6 SE M9 4 SE 12 10				
13	29.845				10				
14	29.840				2				
15	29.840				2 1 SE 14 1 AC 150 2				
16	29.840				1				
17	29.840				1				
18	29.840				3 3 SE 15 0 AC 150 3				
19	29.840				10				
20	29.840				10				
21	29.840				10 10 ST M9				
22	29.830				10				
23									
SYNOPTIC OBSERVATIONS									
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIRECTION (°)	WIND SPEED (MPH)	STATE OF SKY	STATION PRESSURE COMPUTATIONS
00	2300	1	0	0	0	65	64		0949 1546 2146
01	0445	1	0	0	0	67	64		
02	0948	1	T	0	0	67	64		
03	1545	1	T	0	0	71	65		
04	2145	1	0	0	0	70	65		
05	2300	1	0	0	0	65	65		
SUMMARY OF DAY ENDING TO 2300 P (2300 P - 2300 P)									
24-HR. WIND SPEED (MPH)	24-HR. WIND DIRECTION (°)	24-HR. PRECIP. (In.)	24-HR. WATER EQUIV. (In.)	24-HR. SNOW FALL (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (MPH)	24-HR. WIND DIRECTION (°)	24-HR. PRECIP. (In.)	24-HR. WATER EQUIV. (In.)
71	64	T	0	0	0	13	5	1727	7
WEATHER & OBSTRUCTIONS TO VISION									
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
H	0940	1020							
L	0940	1020							
TIME: SUNRISE									
SUNSET									
TOTAL CLOUDS									
PERCENT OF VISIBILITY									
CHARACTER OF SURGE									
CHARACTER OF SURGE									
TIME CHECK - CLOCK AT: 0500P 01 Sec. 1000P 01 Sec. 1530P 01 Sec.									
WIND DIRECTION INDICATOR INOPERATIVE - CONT - 1220P									
*HO-83 TEMPERATURE AND DEWCELL OTS - 0800P-0900P									
ROOF READINGS IN USE									
*HO-83 TEMPERATURE AND DEWCELL OTS ROOF READINGS IN USE									
1000P-1200P									
SP									
RS									

MF1-108 (10-83)

SUPERSEDES MF1-108 (10-83) WHICH MAY BE USED.

U.S. GPO: 1983-0-784-008-8088

MF1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUL 16 1987		TO CONVERT LST TO GMT ADD -8 HRS SUBTRACT	
TIME 1 2	TYPE	SKY AND CEILING Hundreds of Feet 3)	VISIBILITY Miles 4) 5)		WEATHER AND OBSTRUCTIONS TO VISION 6)	SEA LEVEL PRESS. 7)	TEMP 8)	DEW PT. 9)	WIND 10) 11) 12)			ALTIM. 13)	REMARKS AND SUPPLEMENTAL CODED DATA 14)		
			4)	5)					10)	11)	12)				
0447	SA	M5 BKN 8 OVC	3		L-F	115	63	62	15	07	987	CIG RGD VSBY N-E 2 1/2 82W			
												WIND 11020 / 63			
0509	SP	M6 BKN 9 OVC	4		L-F				13	05	988	CIG RGD VSBY N-E 2 1/2 82W			
0555	SA	M6V BKN 9 OVC	3		L-F	119	63	62	15	06	988	CIG SV7 VSBY N-E 2 1/2 82W			
0653	SA	M6V BKN 9 BKN 12 OVC	3		L-F	125	63	62	14	05	990	CIG SV7 TOPS 028 82W			
												31400 1011			
0721	SP	M6V BKN 9 BKN 12 OVC	2 1/2		L-F				15	07	990	CIG SV7 82W			
0751	SA	M6V BKN 9 BKN 12 OVC	2 1/2		L-F	125	63	62	16	07	990	CIG SV7 TOPS 032 82W			
0808	SP	M6V BKN 9 BKN 11 OVC	4		L-F				15	08	990	CIG SV7 82W			
0853	SA	M6V BKN 9 BKN 11 OVC	4		L-F	125	64	62	16	06	990	CIG SV7 82W			
0912	SP	6 SCT M8 BKN 11 OVC	6		L-F				16	08	990	CIG RGD 82W			
0936	SP	8 SCT M10 BKN 15 OVC	8		L-				15	09	990	CIG RGD 82W			
0950	SA	8 SCT M10 BKN 15 OVC	10		L-	125	65	61	15	08	990	CIG RGD / 40000 82W			
												1511 63			
1052	SA	M13 BKN 15 OVC	15			125	66	61	14	10	990	LE30 CIG RGD TOPS 82W			
												027			
1149	SA	M13 BKN 15 OVC	15			122	67	60	17	10	989	82W			
1249	SA	M14 BKN 20 OVC	15			119	67	60	17	11	988	80700 1511			
1349	SA	M14 BKN 20 OVC	15			119	68	60	18	10	988	82W			
1449	SA	E14 BKN 20 OVC	15			115	68	60	19	09	987	82W			
1551	SA	13 SCT M20 OVC	15			112	68	60	17	09	986	180700 1511 69			
1647	SA	13 SCT M23 OVC	15			108	68	60	15	08	985	82W			
1747	SA	14 SCT M20 OVC	15			108	67	60	18	08	985	82W			
1851	SA	11 SCT 16 SCT M20 OVC	15			115	66	60	14	07	987	1302 1511			
1949	SA	11 SCT 16 SCT M20 OVC	8		L-	115	65	61	15	06	987	1840 16 SCT V BKN			
2013	SP	9 SCT M15 BKN 20 OVC	10		L-				15	08	988	82W			
2017	SA	8 SCT M15 OVC	8		L-	122	64	61	09	07	989	1511 V BKN			
2107	SP	7 SCT M11 OVC	8		L-				14	11	990	CIG RGD			
2125	SP	7 SCT 11 SCT M18 OVC	8		L-				14	08	990	82W			
2151	SA	5 SCT M20 OVC	8		L-	125	63	61	15	08	990	11200 1611 69			
2249	SA	7 SCT 11 SCT M20 OVC	10		L-	125	63	61	16	08	990	11 SCT V BKN L-14 TMT LAST			

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: III: 1R12HVY Nddff 10TTT 20TdTdTd 3P0P0P0P0 4PPPP 5pppp 6RRRr 7wwW1W2 8N1CLMCH plus regional and national data groups.

SUPERSEDES MF 1-10A 11-82 WHICH MAY BE USED.

U.S.GPO 1983-0-084-008/010

MF1-108 (10-83)										U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS										DATE JUL 16 1987										To convert LST to GMT ADD <input checked="" type="checkbox"/> hrs. SUBTRACT <input type="checkbox"/> hrs.									

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL CLOUD COVER	PRES. SURFACE CHANGES (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	PRECIPITATION (In.)		
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER									
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	✓	29.830			10												10						T	
05	55	29.840			10												10						T	
06	53	29.860			10	6	ST	M6	3	ST	9	9	1	ST	12	10				10	3	.540	T	
07	51	29.860			10												10						T	
08	53	29.860			10												10						T	
09	50	29.860			10	2	ST	8	6	SC	M10	8	2	SC	15	10				10	4	.000	T	
10	52	29.860			10												10						T	
11	49	29.850			10												10						T	
12	49	29.840			10	8	SC	M10	2	SC	20	10					10			8	.020			
13	49	29.840			10												10							
14	49	29.820			10												10							
15	51	29.820			10	3	SC	13	7	SC	M20	10					10			8	.020			
16	47	29.810			10												10							
17	47	29.810			10												10							
18	51	29.825			10	4	SC	11	1	SC	16	5	5	SC	M20	10				10	3	.005		
19	49	29.840			10												10						T	
20	47	29.850			10												10						T	
21	51	29.860			10	3	ST	5	7	ST	M20	10					10			1	.035	T		
22	49	29.860			10												10						T	
23																								

SYNOPTIC OBSERVATIONS															STATION PRESSURE COMPUTATIONS									
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND DIRECTION (°)	STATE OF SKY	10	11	12	13	14	15	16	17	18	TIME (LST)	19	20	21	22	23	
01	2300																	2300						
	0444	1	T	0	0	65	63											0444						
	0448	2	T	0	0	65	63											0448						
	1545	3	T	0	0	69	65											1545						
	2145	4	T	0	0	68	63											2145						
	2300	5	T	0	0	63	63											2300						

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)															WEATHER & OBSTRUCTIONS TO VISION									
NO. OF HOURS	NO. OF PRECIP.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	NO. OF WIND EQUIV.	
69	63	1	0	0	0	15	5	1729																

TIME: SUNRISE										SUNSET									
TOTAL CLOUDS					PERCENT OF POSSIBLE CLOUDS					CHARACTER OF CLOUDS					CHARACTER OF CLOUDS				
PARTIAL CLOUDS					OR PARTIAL CLOUDS					PARTIAL CLOUDS					OR PARTIAL CLOUDS				
TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 2130P @ 2 Sec.																			

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE JUL 17 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS		
SURFACE WEATHER OBSERVATIONS										
TIME 11-17	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm Hg	TEMP DB F	WIND DIRECTION DEG	WIND SPEED KTS	WIND GUST KTS	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION SERIAL
SA 0453	10 SCT M 2 BEN 250 VC	12		122	61.59	16	06		999 / RWU W - RW 61	AD
SP 0531	10 SCT 225 - T M 3 80 VC	14					14	04	991	AD
RS 0550	10 SCT M 20 BEN 350 VC	14		129	62.60	09	04		991	AD
SP 0604	5 SCT M 9 BEN 120 VC	14	L-				13	05	991	AD
SP 0625	5 SCT 9 SCT M 220 VC	14					12	04	992	AD
SA 0650	5 SCT M 15 BEN 250 VC	14		122	63.60	12	04		992 / LB 135E18 / 10800 1511	AD
SP 0718	5 SCT M 11 BEN 250 VC	12	RW-				18	07	993	AD
SP 0750	5 SCT M 12 BEN 30 0 VC	12	RW-	139	63.60	17	05		994 / RB 12 BKN Y SCT	AD
SP 0811	8 SCT 20 SCT E 60 0 VC	14					19	05	994 / FEW BKN VC MDT CU SW-N	AD
SA 0851	7 SCT 20 SCT E 300 VC	14		139	63.60	17	07		994 / RWU ALPS	AD
SP 0955	15 SCT 20 SCT E 30 BKN 50 BKN	20		139	67.58	16	08		994 / RWU SW-L-SE 20 SCT V BKN	AD
SA 1054	20 SCT 35 SCT E 50 BKN	25		142	71.56	12	05		995 / FEW MDT CU SW-NE	AD
SA 1150	25 SCT E 50 0 VC	25		142	70.57	17	09		995 / FEW BKN VC MDT CU SW-NE	AD
SA 1250	25 SCT E 50 0 VC	25		139	70.57	18	07		994 / FEW BKN VC MDT CU SW-NE	AD
SA 1349	25 SCT E 45 BKN	30		139	71.56	15	09		994 / 1000 1800	ML
SA 1449	20 SCT E 45 BKN	35		139	70.58	18	10		994	ML
SA 1550	20 SCT E 45 BKN	35		135	70.58	21	10		993 / 1703 1800 72	ML
SA 1650	20 SCT E 45 BKN	35		132	69.54	19	12		992	ML
SA 1752	20 SCT 45 SCT	35		139	67.57	18	10		994	ML
SA 1849	20 SCT 45 SCT	40		135	67.57	19	08		993 / 500 TR 1500	ML
SA 1947	20 SCT E 45 BKN	40		139	66.56	16	07		994 / 1500 72	ML
SA 2046	M 34 BKN 450 VC	25		140	66.57	31	06		996	ML
SA 2151	25 SCT E 40 BKN	25		149	65.58	24	03		997 / 1500 72	ML
SA 2247	25 SCT 40 SCT	20		152	64.59	16	06		998 / LAST	ML

FM12-VII: IIII 1R1HVV Nddff 1aTTT 2aTdTd 3P0P0P0P0 4PPPP 5aPPP 6RRR1R 7www1W2 8NCLCCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1985-0-884-008/010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE JUL 17 1987										To convert LST to GMT ADD 2 hrs. SUBTRACT 0 hrs.									

TIME (LST)	STATION PRESSURE (In.)	DIRT WIND (Kts)	WE- BARS (Kts)	REL. HUMIDITY (%)	TOTAL SEA COVER	CLOUDS AND OBSCURING PHENOMENA																TOTAL O- PAQUE SUM COVER	PRES- SURE TEND- ENCY (In.)	WET BULB TEMP. (In.)	WIND- CHILL (In.)	PRE- CIPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER			FIFTH LAYER								
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT			
00																										
01																										
02																										
03																										
04	53	27.850			10													10								
05	50	27.870			10													10								
06	50	27.880			10	3	STRA	5	6	SC	MIS	9	1	SC	25	10		10	1	.025						
07	50	27.895			10													10								
08	51	27.900			10													10								
09	51	27.900			9	1	SC	15	2	CU	20	3	6	SC	ES0	9	5	SC	50	9	1	.020				
10	54	27.905			8													8								
11	50	27.910			10													10								
12	50	27.900			10	1	CU	25	10	SC	ES0	10					10	0	.000							
13	49	27.875			7													6								
14	49	27.895			6													5								
15	50	27.890			7	3	CU	20	4	SC	ES5	7					5	7	.010							
16	50	27.880			7													7								
17	52	27.895			3													3								
18	49	27.890			3	3	SC	20	0	SC	45	3					3	5	.000							
19	47	27.900			8													7								
20	46	27.920			10													10								
21	51	27.925			7	5	SC	25	2	SC	ES0	7					7	1	.035							
22	47	27.935			2													2								
23																										

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (In.)	MIN. TEMP. (In.)	STATE OF SKY	11	12	13	14	15	16	17	18	STATION PRESSURE COMPUTATIONS
0200	0448	1	T	0	0	64	61										0750 1546 2448
0448	0749	2	T	0	0	68	61										
0749	1545	3	0	0	0	72	67										8900 24820 24925
1545	2147	4	0	0	0	70	65										29900 24890 24920
2147	2300	5	0	0	0	66	64										0 C T.CCS

SUMMARY OF DAY (GROSS TO GROSS) (2300P TO 2300P)										WEATHER & OBSTRUCTIONS TO VISION									
DIRT WIND (Kts)	WE- BARS (Kts)	REL. HUMIDITY (%)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts)	WIND DIRECTION (In.)	WIND TYPE (In.)	WIND BASE (In.)	WIND TOP (In.)	WIND BASE (In.)	WIND TOP (In.)	WIND BASE (In.)	WIND TOP (In.)	WIND BASE (In.)	WIND TOP (In.)	WIND BASE (In.)	WIND TOP (In.)	WIND BASE (In.)	WIND TOP (In.)
61	T	0	0	0	15	5	1214												

REMARKS (WIND AND WIND-CHILL) (WIND-CHILL)									
TIME	SUNRISE	SUNSET	TOTAL SUNSHINE (MIN.)	PERCENT OF SUNSHINE	CHARACTER OF SUNSET				
TIME CHECK - CLOCK AT: 0600P	01 Sec. / 1000P	01 Sec. / 2130P	02 Sec.						

MF1-108 (10-83)

SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/000

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUL 18 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u> </u> HRS	
TIME ZULU	TIME LOCAL	SKY AND CEILING HUNDREDS OF FEET	VISIBILITY MILES		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. IN.	TEMP. AIR	DEW PT.	WIND			ALTIM. FEET MEAN	REMARKS AND SUPPLEMENTAL CODED DATA	OR REMARKS IN REMARKS	
			STATUTE	NAUTICAL					DIRECTION	SPEED KNOTS	WIND SHEAR				
SA 0447		20 SCT	3.0			156	62	58	12	04		999	/ FCU SW-NW/ 62	12W	
SA 0554		20 SCT	3.0			159	63	58	12	03		000	/ MDT CU S-W-N	12W	
SA 0651		22 SCT	3.0			163	68	58	12	04		001	/ MDT CU SW-NW/ 210	12W	
													1200		
SA 0755		E30 BKN	3.0			166	70	56	07	05		002	/ MDT CU ALG DS AND QND	12W	
SA 0852		E30 BKN	3.0			163	68	53	20	08		001	/ MDT CU ALG DS XCF S	12W	
SA 0950		30 SCT	2.5			163	72	54	27	05		001	/ 000 1100 62	12W	
SA 1053		30 SCT	2.5			159	73	55	17	10		000		12W	
SA 1148		30 SCT	2.5			156	73	54	19	10		999		12W	
SA 1249		30 SCT	2.5			152	74	54	18	12		998	/ 710 1500	12W	
SA 1349		CLR	2.0			149	75	53	19	14		997	/ FEW SC	12W	
SA 1449		CLR	2.0			142	76	51	18	12		995		12W	
SA 1552		CLR	2.0			135	74	56	27	13		993	/ FEW CU/ 717 1100 77	AD	
SA 1648		CLR	2.0			135	72	55	28	10		993	/ FEW CU N-NE	AD	
SA 1748		CLR	2.0			135	71	55	28	10		993		AD	
SA 1849		CLR	2.0			135	68	56	28	10		993	/ FEW SC BNT W/ 500	AD	
													1500		
SA 1950		CLR	1.5			135	66	58	29	09		993		AD	
SA 2049		CLR	1.4			142	65	57	28	07		995		AD	
SA 2150		CLR	1.4			142	64	56	28	07		995	/ 307 77	AD	
SA 2247		CLR	1.4			142	63	56	30	05		995	/ LAST	AD	

A sample observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1212VV Mddff 120TTT 220TdTdTd 3P0P0P0P0 4PPPP 5pppp 6RRRrr 7wwh 12 8Nn 12LCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1983-0-684-008/010

6. FBI 100-3-104 (2008) - 0

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUL 19 1987 87		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 12 HRS.	
TIME Z	TYPE	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. AIR F	DEW PT. F	WIND		ALTIM. ETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	COR. REMARKS		
			SMALLER	LARGER					DIRECTION DEGREES	SPEED KNOTS					
0447	SA	CLR	15			139	59	55	00	00	994	57	2W		
0555	SA	CLR	12			139	60	55	00	00	994	FEW SC	2W		
0653	SA	CLR	10			142	66	55	00	00	995	FEW SC / 307 1500	2W		
0751	SA	CLR	15			142	70	56	14	03	995	FEW SC CI	2W		
0846	SA	CLR	15			142	73	57	21	04	995	FEW CU CI	2W		
0950	SA	CLR	15			146	73	56	19	08	996	FEW CU / 303 00 57	2W		
1052	SA	CLR	15			142	74	56	18	07	995	FEW CU W AC NE	2W		
												WIND 12422			
1154	SA	CLR	15			139	75	56	18	10	994	FEW AC NW	2W		
1247	SA	CLR	15			135	78	51	17	07	993	AC W-N / 710 1030	2W		
1351	SA	CLR	15			129	81	50	20	07	991	AC CI W-N	2W		
1449	SA	CLR	20			122	82	48	21	10	989	ACSL N CI W-N	2W		
1553	SA	CLR	20			115	79	54	26	12	987	ACSL N CI W-N /	AD		
												720 1042 82			
1649	SA	CLR	20			112	75	52	27	11	986	ACSL W-N FEW CI	AD		
1749	SA	CLR	20			112	73	53	27	10	986	ACSL W-N FEW SC DUTW	AD		
1850	SA	180 SCT	20			119	68	58	28	11	988	ACSL W-N / 303 1840	AD		
1950	SA	180 SCT	20			119	66	57	27	08	988	ACSL SW-N	AD		
2048	SA	180 SCT	15			125	64	58	28	07	990	ACSL W-N	AD		
2152	SA	180 SCT	15			129	64	58	3	004	991	108 1070 82	AD		
2246	SA	CLR	14			129	63	58	28	36	991	LAST	AD		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII 1R12hVV Nddff 1a_nTTT 2a_nTdTdD 3PoPoPoPo 4PPPP 5appp 6RRRR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.GPO 1983-0-684-008/8010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)												
SURFACE WEATHER OBSERVATIONS												DATE JUL 19 1987 To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.												
TIME (LST)	STATION PRESSURE (In.)	DPT BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA										TOTAL O- PAQUE SKY COVER	PRES- SURE COR- RECT- ED	NET 3-HR. CHANGE (In.)	SUM- MER- TIME (In.)	PRECI- PITATION (In.)				
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER									
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	7	29.960			0																			
05	52	29.960			0																			
06	53	29.910			0	C	SC	18																
07	51	29.910			0																			
08	42	29.910			0																			
09	53	29.920			0	O	CU	25																
10	52	29.910			0																			
11	54	29.900			0																			
12	49	29.890			0	O	AC	180																
13	51	29.870			0																			
14	49	29.850			0																			
15	53	29.830			0	O	ACSL	180	O	CI	250	O												
16	49	29.820			0																			
17	49	29.820			0																			
18	50	29.840			1	1	ACSL	180																
19	50	29.840			1																			
20	48	29.860			1																			
21	52	29.825			1	1	AC	180																
22	48	29.870			0																			
23																								

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	REL. TEMP. (°F)	WIND DIR. (°)	WIND SPEED (MPH)	STATE OF SKY	11	12	13	14	15	16	17	18
2300	2300	1	0	0	0	64	57	1622									
0444	0444	1	0	0	0	64	57										
0948	0948	1	0	0	0	73	57										
1549	1549	1	0	0	0	82	72										
2149	2149	1	0	0	0	79	64										
2300	2300	1	0	0	0	64	63										

SUMMARY OF DAY ENDING TO (2300P TO 2300P)										STATION PRESSURE COMPUTATIONS									
SEA- SURF. TEMP. (°F)	SEA- SURF. WIND SPEED (MPH)	SEA- SURF. WIND DIR. (°)	SEA- SURF. WIND SPEED (MPH)	SEA- SURF. WIND DIR. (°)	SEA- SURF. WIND SPEED (MPH)	SEA- SURF. WIND DIR. (°)	SEA- SURF. WIND SPEED (MPH)	SEA- SURF. WIND DIR. (°)	SEA- SURF. WIND SPEED (MPH)	TIME (LST)	TIME (GMT)	TIME (LST)	TIME (GMT)	TIME (LST)	TIME (GMT)	TIME (LST)	TIME (GMT)		
82	57	C	C	0	16	W	1622												

WEATHER & OBSTRUCTIONS TO VISION									
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
51	52	53	54	55	56				

TIME: SUNRISE										SUNSET									
TOTAL SUNRISE (MIN.)					PERCENT OF POSSIBLE SUNRISE					CHARACTER OF SUNRISE					CHARACTER OF SUNSET				
FACTORY OBSERVED					OR					FACTORY OBSERVED					OR				
TIME CHECK - CLOCK AT: 0500P					91 Sec./1000P					91 Sec./1000P					91 Sec.				

1 LAST OF SEVERAL OCCURRENCES

SP=

RS=

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																									
SURFACE WEATHER OBSERVATIONS				DATE JUL 20 1987																									
				TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS																									
TIME Z	SKY AND CEILING Hundred Feet 31	VISIBILITY Miles SURFACE TOWER 41 40	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MM HG 5	TEMP AIR °F 8	DEW POINT °F 9	WIND DIRECTION °T 100-MPH 11	WIND SPEED KNOTS 12	WIND GUSTS KNOTS 13	WIND SPEED KNOTS 14	WIND SPEED KNOTS 15	WIND SPEED KNOTS 16	WIND SPEED KNOTS 17	WIND SPEED KNOTS 18	WIND SPEED KNOTS 19	WIND SPEED KNOTS 20	WIND SPEED KNOTS 21	WIND SPEED KNOTS 22	WIND SPEED KNOTS 23	WIND SPEED KNOTS 24	WIND SPEED KNOTS 25	WIND SPEED KNOTS 26	WIND SPEED KNOTS 27	WIND SPEED KNOTS 28	WIND SPEED KNOTS 29	WIND SPEED KNOTS 30	REMARKS AND SUPPLEMENTAL CODED DATA (18)	OBSERVER (19)	
																													ALTIMETER SETTING INCHES 29
SA 1347	E100 BKN 250 BKN	30		125.60	56	00	00	990	SC S ACCAS NE/ 59 21W																				
SA 0652	E110 BKN	30		125.62	57	08	03	990	FEW SC S																				
SA 0653	E100 BKN	25		132.64	58	13	03	992	ACCAS SW-NW-N V.R.G.A 21W																				
SA 0751	E90 OVC	15		135.66	58	14	05	993	ACCAS OVC V.R.G.A 21W																				
SA 0848	M05 BKN 90 OVC	15	RW-	139.65	60	18	05	994	RBOS																				
SA 0950	E70 BKN 90 OVC	12		139.66	61	08	05	994	RE40 RWL N-E AND																				
SA 1051	E70 BKN 90 BKN	12		139.69	61	19	08	994	S-SW/ 10705 1071 59																				
SA 1154	E70 BKN	15		135.70	59	20	08	993	RBOS 27 FEW SC W																				
SA 1249	E80 BKN	15		132.72	56	17	08	992	RWL N AND E-S																				
SA 1349	E80 BKN	20		129.75	50	21	07	991	FEW SC S/ 80700																				
SA 1449	E80 BKN	20		125.76	48	18	09	990	1570																				
SA 1552	POSLT	25		122.72	52	21	12	989	FEW AC																				
SA 1656	POSLT	25		122.72	52	19	09	989	FEW AC																				
SA 1753	CLR	25		122.72	52	22	05	989	FEW AC																				
SA 1850	POSLT	25		125.69	55	27	07	990	FEW AC																				
SA 1949	CLR	25		132.66	58	28	07	992	FEW AC																				
SA 2046	POSLT	20		135.64	57	28	08	993	FEW AC																				
SA 2150	POSLT	20		135.63	56	29	07	993	FEW AC																				
SA 2247	POSLT	20		135.63	56	26	06	993	FEW AC																				

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R1HVV Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aupp 6RRRtr 7www1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

© U.S.GPO:1983-0-884-008/8010

U.S. GPO 1983-0-784-001-0000

STATION		DATE		TIME		TYPE		SKY AND CEILING		VISIBILITY		WEATHER AND OBSTRUCTIONS TO VISION		SEA LEVEL PRESSURE		TEMPERATURE		WIND		ALTIMETER		REMARKS AND SUPPLEMENTAL CODED DATA	
LONG BEACH, CALIF. (DAUGHERTY FIELD)		JUL 21 1987		1721		SYN		Handwritten in Feet		Miles				INCHES		DEGREES		KNOTS		INCHES			
SA	0449							25 SCT		20				142.63	55	21.05	995						
SA	0549							25 SCT		20				149.63	54	22.04	997						
SP	0611							M 19 BKN		20						23.03	998						
SA	0650							M 21 BKN		20				156.64	54	23.02	999						
SA	0744							20 SCT M 25 BKN		20				159.66	53	24.03	999						
SP	0801							20 SCT 28 SCT		20						15.03	999						
SA	0850							22 SCT 28 SCT		20				163.69	55	20.06	999						
SA	0950							25 SCT		25				166.70	54	19.07	999						
SA	1049							30 SCT		30				173.70	53	18.10	999						
SA	1149							30 SCT		35				169.71	53	18.12	999						
SA	1250							CLR		35				166.73	51	17.09	999						
SA	1352							CLR		35				159.74	50	19.09	999						
SA	1453							CLR		35				152.76	53	24.13	999						
SA	1552							CLR		35				146.74	50	26.14	996						
SA	1648							CLR		40				146.72	53	26.13	996						
SA	1746							CLR		40				146.70	52	28.13	996						
SA	1848							CLR		45				149.68	55	28.09	997						
SA	1947							CLR		45				152.67	55	26.10	997						
SA	2050							CLR		40				152.66	57	28.07	997						
SA	2143							CLR		40				156.65	57	25.04	999						
SA	2248							CLR		40				156.64	57	26.07	999						

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII R12HV Nddff 10TTT 20TdTd 3PoPoPoPo 4PPPP 5pppp 6RRRrR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A11-82 WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-008/0010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD) DATE JUL 21 1987																			
SURFACE WEATHER OBSERVATIONS																						CLOUDS AND OBSCURING PHENOMENA									
TIME (LST)	STATION PRESSURE (In)	DIR. WIND (Kts)	WIND SPEED (Kts)	REL. HUMIDITY (%)	TOTAL CLOUD COVER	LOWEST LAYER				SECOND LAYER				THIRD LAYER				FOURTH LAYER				TOTAL OBSCURING COVER	PRES. CHANGE (In.)	NET CHANGE (In.)	SUN- SHINE (Hrs.)	PREC- IPITATION (In.)					
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40							
00																															
01																															
02																															
03																															
04	46	29.910			4															4											
05	49	29.930			5															5											
06	50	29.950			9	9	SC	121												9	2	600									
07	59	29.960			7															7											
08	50	29.970			4															4											
09	50	29.980			2	2	CU	25												2	2	630									
10	59	29.995			1															1											
11	59	29.990			1															1											
12	50	29.975			0	0	CU	30												0	8	605									
13	52	29.955			0															0											
14	53	29.940			0															0											
15	52	29.920			0															0	7	1055									
16	58	29.920			0															0											
17	46	29.920			0															0											
18	50	29.930			0	0	SC	15												0	3	1010									
19	47	29.935			0															0											
20	50	29.940			0															0											
21	48	29.950			0															0	3	1020									
22	48	29.950			0															0											
23																															
24																															

SYNOPTIC OBSERVATIONS																						
TIME (LST)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF SKY	31	32	33	34	35	36	37	38	STATION PRESSURE COMPUTATIONS					
01	0747	1	0	0	0	64	62	XX	XX								TYPE (LST)	2949	1546	2146		
	0747	1	0	0	0	64	62										ATT. THERM.					
	0947	1	0	0	0	70	62										CHANG. BAR.					
	1545	1	0	0	0	77	70										TOTAL COR.					
	2145	1	0	0	0	74	65										LYA. PRESS.	29.980	29.920	29.950		
	2300	1	0	0	0	65	64	XX	XX								BAROGRAPH	29.980	29.925	29.940		
																	BAR. COR.	0	-0.005	0.000		

SUMMARY OF DAY RECORDS (REQUIREMENTS) 2300 P - 2300 P												WEATHER & OBSTRUCTIONS TO VISION							
PEAK WIND												TYPE BEGAN ENDED TYPE BEGAN ENDED							
DIR.	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED		
62	62	0	0	0	0	22	W	1517											

TIME: SUNRISE												SUNSET							
TOTAL SUNSHINE (MIN.)												PERCENT OF POSSIBLE							
PARTIAL SUNSHINE												CHARACTER OF SKY							
TIME CHECK - CLOCK AT:												TIME							
2:58 P @ 1 Sec.												1:00 P @ 1 Sec.							
1:34 P @ 2 Sec.																			

MF1-108 (10-83)
 SUPERSEDES MF1-108 (1-62) WHICH MAY BE USED.

U.S. GPO 1983-0-754-008/8089

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE JUL 22 1987 87	
TIME (LST)		SKY AND CEILING Hundred Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.
1	2	3	4	5	6
					TEMPERATURE DEW POINT
					WIND DIRECTION SPEED GUSTS
					ALTIMETER SETTING
					REMARKS AND SUPPLEMENTAL CODED DATA
SA 0444		M 2 BKN	20		159.62 57 14 05
SA 0550		M 4 BKN	30		166.63 57 08 04
SA 0650		M 19 BKN	30		169.65 58 09 05
SA 0749		M 18 BKN	20		169.68 58 04 03
SA 0841		20 SCT	15		23 05
SA 0850		23 SCT	15		164.72 57 22 05
SA 0950		20 SCT	15		166.71 58 19 09
SA 1049		CLR	15		166.72 58 19 09
SA 1149		CLR	20		166.73 57 19 12
SA 1249		CLR	20		159.73 56 20 12
SA 1352		CLR	25		149.74 57 18 13
SA 1455		CLR	25		142.76 53 17 10
SA 1551		CLR	30		139.76 56 24 10
SA 1617		CLR	30		139.74 57 26 11
SA 1746		CLR	40		135.72 56 24 12
SA 1847		CLR	35		135.68 56 27 09
SA 1946		CLR	30		139.66 54 27 07
SA 2044		CLR	25		142.66 59 30 07
SA 2150		CLR	20		142.65 57 31 05
SA 2247		CLR	15		142.65 57 25 04

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: 1111 (R) 12 HVV Nddff 1a0 TTT 2a0 Td Td 3PoPoPoPo 4PPPP 5sepp 6RRRr 7wwW1W2 8HhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-586-008/8010

U.S. GPO 1983-0-754-009/00

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)							
SURFACE WEATHER OBSERVATIONS				DATE JUL 23 1987							
TIME ZUL	SKY AND CEILING Height of Feet 31	VISIBILITY Miles 41 40	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES 5 7 8	TEMP PT 22 23 24 25 26 27 28 29 30 31 32	WIND DIRECTION KTS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	WIND SPEED KTS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	WIND WAVE KTS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	WIND WAVE KTS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	REMARKS AND SUPPLEMENTAL CODED DATA	COR RECTION 181
SA 0447	CLR	15		135	61	58	13	03	993	/ 59	8LW
SA 0552	14 SCT	15		135	62	58	15	03	993	/ SC INCRG	8LW
SP 0631	E 4 BKN	15					16	03	993	/ BKN V SCT	8LW
SA 0651	E 4 BKN	12		135	65	59	17	07	993	/ BKN V SCT / 102 1500	8LW
SP 0717	E 5 BKN	10					16	06	994	/ BKN V SC	8LW
SP 0736	17 SCT	10					15	06	994	/ SCT V BKN	8LW
SA 0753	17 SCT	10		139	67	59	15	08	994	/ WND 12 V 19	8LW
SA 0851	18 SCT	10		135	70	60	13	08	993		8LW
SA 0950	CLR	10		135	71	60	15	09	993	/ 000 59	8LW
SA 1054	CLR	12		132	73	60	16	11	992	/ FEW SC SE	8LW
SA 1148	CLR	15		132	74	58	16	11	992		8LW
SA 1249	CLR	20		125	80	58	24	29	990	/ WND 18 V 29 / 810	8LW
SA 1348	CLR	20		119	81	55	26	11	988		ML
SA 1448	CLR	20		115	79	56	27	08	987	/ C1 E-5	ML
SA 1547	CLR	20		108	77	56	28	09	985	/ C1 NE-EH 22N/7147 1002 81	8LW
SA 1649	CLR	25		108	75	57	28	09	985		8LW
SA 1751	250 SCT	20		108	72	56	27	09	985		8LW
SA 1854	250 SCT	35		108	69	57	24	10	985	/ 500 1002	8LW
SA 1946	CLR	30		112	68	57	30	09	986		8LW
SA 2051	CLR	30		115	66	58	30	07	987		8LW
SA 2150	CLR	30		115	66	57	29	07	987	/ 107 81	8LW
SA 2247	CLR	30		115	65	57	30	07	987	/ LAST	8LW

FM12-VII: IIIII 1R12HVV Nddff 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRr 7aW1W2 8HCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A 11-82 WHICH MAY BE USED.

U.S.G.P.O.: 1983-0-084-008/010

[illegible]

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUL 24 1987		TO CONVERT LST TO GMT ADD <u>7</u> HRS SUBTRACT <u>0</u> HRS	
TIME ZULU	TYPE	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm	TEMP °F	DEW PT °F	WIND			ALTIM ETER SETTING IN.	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER	
			Surface	Other					Dir	Speed	Dir				
0449	SA	250-SCT	12			112	61	57	01	04		986	/60	ML	
0549	SA	250-SCT	10			115	61	56	01	03		987	/50 5	ML	
0650	SA	12 SCT 250 SCT	10			119	65	58	05	03		988	/307 1502	ML	
0749	SA	CLR	10			122	67	59	14	05		989	/FEW SC CI	ML	
0849	SA	CLR	10			122	73	59	14	03		989	/FEW CI	ML	
0950	SA	CLR	10			122	71	60	19	07		989	/FEW CI/002 1002 60	ML	
1050	SA	250 SCT	11			122	72	60	18	12		989		ML	
1149	SA	250 SCT	12			122	72	60	20	11		989		ML	
1249	SA	250 SCT	12			115	73	60	18	11		987	/805 1002	ML	
1354	SA	250 SCT	12			112	77	60	16	10		986		2LW	
1413	SP	250 SCT	14						27	07		985	/WSHFT 09 WND 18V30	2LW	
1455	SA	250 SCT	14			105	79	61	30	08		984	/FEW SC 05KT SW	2LW	
1550	SA	250 SCT	15			105	77	60	28	09		984	/SC 05KT SW-W/ 610	2LW	
													1502 80		
1648	SA	250 SCT	15			102	74	59	27	09		983	/WIND 23V30	2LW	
1751	SA	250 SCT	14			102	73	59	29	07		983	/FEW AC N	2LW	
1855	SA	250 SCT	15			105	69	59	30	11		984	/FEW AC N/ 500 1072	2LW	
1947	SA	CLR	15			105	67	58	30	10		984	/FEW AC CI W-N	2LW	
2053	SP	CLR	12			112	66	58	28	06		986		2LW	
2150	SA	CLR	12			112	65	59	30	06		986	/107 80	2LW	
2252	SA	CLR	12			112	65	59	14	06		986	/LAST	2LW	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: IIII IRI HVV Nddff 1s0 TTT 2s0 TdTdTd 3P0P0P0P0 4PPPP 5pppp 6RRRr 7ww1W2 8Nh CLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-884-008/8010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)											
SURFACE WEATHER OBSERVATIONS												DATE 7-24		JUL 24 1987 87 To convert LST to GMT ADD 2 hrs. SUBTRACT hrs.									

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA										TOTAL O- PAQUE SKY COVER	PRES- SURE COR- RECT- ED (In.)	NET D.M. CHANGE (In.)	SUM- MER C (In.)	PREC- IPITATION (In.)				
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER									
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	49	29.820			1															0				
05	49	29.820			1															0				
06	50	29.840			2	1	SC	12	1	CI	250	2							2	3	0.20			
07	49	29.850			0															0				
08	47	29.845			0															0				
09	50	29.845			0	0	CI	250												0	0	0.05		
10	50	29.850			1															1				
11	49	29.845			1															1				
12	49	29.830			1	1	CI	250												1	8	0.15		
13	54	29.820			1															1				
14	55	29.800			2															2				
15	50	29.800			2	0	SC	13	2	CI	250	2								2	6	0.30		
16	48	29.790			1															1				
17	51	29.790			1															1				
18	55	29.800			1	0	AC	180	1	CI	250	1								1	5	0.00		
19	47	29.800			0															0				
20	53	29.820			0															0				
21	50	29.820			0															0	1	0.20		
22	52	29.820			0															0				
23																								

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF SKY	1	2	3	4	5	6	7	8	9
01	2300	1	0	0	0	65	60	XX									
04	0447	1	0	0	0	66	60										
07	0747	1	0	0	0	73	60										
10	1548	1	0	0	0	80	71										
13	2148	1	0	0	0	77	65										
16	2300	1	0	0	0	65	64	XX									

SUMMARY OF DAY (MINIMUM TO MAXIMUM) 2300P 2300P										WEATHER & OBSTRUCTIONS TO VISION										
NO. OF HRS.	MAX. TEMP. (°F)	MIN. TEMP. (°F)	PRECIP. BATER (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°T)	TIME (LST)	THICK- NESS OF ICE ON WATER (In.)	PRESEN- CE OF GROUND FOG (In.)	WATER VAPOR (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°T)	WATER VAPOR (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°T)	WATER VAPOR (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°T)	WATER VAPOR (In.)
80	60	0	0	0	0	18	S	1233												

REMARKS (BY AIR AND SEA-LAND) PHENOMENA									
TIME: SUNRISE SUNSET TOTAL CLOUDS (MIN.): PERCENT OF HORIZON PARTIAL OBSERVED OR PARTIAL CHARACTER OF CLOUDS TIME CHECK - CLOCK AT: 2300P @ 2 Sec. / 1000P @ 3 Sec. / 1600P @ 2 Sec.									

SP= RS=									
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MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)					
SURFACE WEATHER OBSERVATIONS				DATE JUL 25 1987					
				TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.					
TIME ZULU	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. AT SURFACE DEW POINT WIND DIRECTION SPEED KNOTS WAVE HEIGHT FOOT	ALTIM. EYES SET TIME HOURS	REMARKS AND SUPPLEMENTAL CODED DATA	OBS. CORRECTION HOURS
		SURFACE	DOWN						
SA 1451	11 SCT	7			108.60	54 00 00	985	160	AMS
SA 1547	12 SCT	8			112.62	54 05 04	986		AMS
SA 1653	12 SCT	8			115.66	60 00 00	987	1307 1500	AMS
SA 1748	12 SCT	8			119.64	60 11 04	988		AMS
SA 1850	CLR	8			114.71	60 17 06	989		AMS
SA 1953	CLR	12			114.73	60 16 07	989	1103 60	AMS
SA 1052	CLR	12			115.73	60 18 09	987		AMS
SA 1153	CLR	12			115.73	60 17 10	987		AMS
SA 1246	CLR	10			106.74	60 21 11	985	1810	AMS
SA 1351	CLR	10			105.75	61 20 10	984		SLW
SA 1449	CLR	15			102.75	62 18 12	983		SLW
SA 1550	CLR	15			098.76	62 16 10	982	710 76	SLW
SP 1636	CLR	20				30 07	981	WSHFT 33 WND 10V3W	SLW
SA 1654	CLR	20			095.79	58 27 08	981	WNO 23V31	SLW
SA 1748	CLR	20			095.75	60 28 09	981		SLW
SA 1855	CLR	25			098.70	60 30 05	982	500	SLW
SA 1952	CLR	25			098.69	60 28 05	982		SLW
SA 2047	CLR	15			102.68	59 00 00	983		SLW
SA 2150	CLR	15			105.67	62 15 05	984	307 79	SLW
SA 2253	CLR	12			105.66	63 15 05	984	LAST	SLW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R1XHV Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRr 7wwW1W2 8N1CLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-684-028/010

MP1-100 (10-03)

SUPERSEDES MFI-100 (1-82) WHICH MAY BE USED

• U S GPO-1983-0-754-000-0000

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		
SURFACE WEATHER OBSERVATIONS				DATE JUL 26 1987		
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 12 HRS.		
TIME Z	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP DEW POINT WIND SPEED DIRECTION WIND GUSTS WAVE HEIGHT	REMARKS AND SUPPLEMENTAL CODED DATA
SA 0457	M 6000	8		105.63	61 13.05	984 / 67 RIB
SA 0549	M 7000	10		109.64	61 12.03	985 / 7000 S RIB
SA 0617	M 7000	10			16.03	986 / 7000 S RIB
SA 0640	M 8000	9			27.04	987 / 7000 S RIB
SA 0651	M 8000	9		112.65	61 14.04	988 / 7000 S RIB
SA 0717	9500	10			13.05	986 / 7000 S RIB
SA 0749	CLR	9		112.70	62 11.04	986 / FEW SC RIB
SA 0850	CLR	9		112.72	61 19.04	986 / RIB
SA 0951	CLR	12		112.74	61 17.07	986 / 7000 62 RIB
SA 1047	CLR	10		112.75	62 17.09	986 / RIB
SA 1116	CLR	10		105.77	62 21.08	988 / RIB
SA 1216	CLR	10		102.77	61 20.10	983 / 1810 RIB
SA 1353	CLR	12		098.76	62 19.12	982 / FEW CU DSNT N-NE OMTNS RIB
SA 1451	CLR	15		091.76	63 17.11	980 / FEW CU DSNT N AND NE RIB
SA 1550	CLR	20		085.79	63 16.06	978 / OMTNS RIB
SA 1556	CLR	20			27.07	978 / FEW ST W CU DSNT NE RIB
SA 1647	CLR	20		085.79	59 27.10	978 / FEW ST W CU DSNT NE RIB
SA 1752	CLR	20		085.76	59 28.10	978 / OMTNS RIB
SA 1854	CLR	20		088.72	56 30.08	979 / 303 RIB
SA 1949	CLR	20		088.71	54 30.05	979 / RIB
SA 2048	CLR	20		098.70	53 31.04	982 / RIB
SA 2150	CLR	10		102.68	63 15.05	983 / 114 81 RIB
SA 2255	CLR	10		102.67	62 13.04	983 / LAST RIB

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: IIII 1212HVV Nddff 10TTT 20TdTdTd 3P0P0P0P0 4PPPP 5pppp 6RRRr 7www1W2 8NCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED. U.S.GPO:1983-0-284-008/8010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)											
SURFACE WEATHER OBSERVATIONS												DATE JUL 26 1987				To convert LST to GMT ADD 8 hrs. SUBTRACT 0 hrs.							
TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES. SURE EN- CY	NET 3-HR. CHANGE (In.)	SUM- MER TIME	PRECIP- ITATION (In.)
							LOWEST LAYER			SECOND LAYER			SUM- MATION TOTAL	THIRD LAYER			SUM- MATION TOTAL	FOURTH LAYER					
AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.		TYPE	HEIGHT	AMT.		TYPE	HEIGHT				
00																							
01																							
02																							
03																							
04	57	29.72				10									10								
05	49	29.66				10									10								
06	51	29.62				7	7	2	M8						5	3	.015						
07	49	29.62				0									0								
08	50	29.62				0									0								
09	53	29.62				0									0	4	.000						
10	47	29.62				0									0								
11	46	29.60				0									0								
12	46	29.70				0									0	P	.030						
13	53	29.78				0									0								
14	51	29.76				0									0								
15	50	29.74				0	0	ST	10	0	CU	60	0		0	7	.050						
16	47	29.74				0									0								
17	52	29.74				0									0								
18	54	29.75				0									0	3	.010						
19	49	29.75				0									0								
20	48	29.78				0									0								
21	50	29.79				0									0	1	.040						
22	55	29.79				0									0								
23																							
24																							

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA. TEMP. (°F)	WIND TEMP. (°F)	STATE OF SKY	11	12	13	14	15	16	17	18	STATION PRESSURE COMPUTATIONS
0455	0455	1	0	0	0	66	62										TIME (LST) 0450 1549 2149
0455	0455	1	0	0	0	67	62										ATT. THERM. 60
0455	0455	1	0	0	0	67	62										RESERVE BAR. 61
0455	0455	1	0	0	0	67	62										TOTAL COR. 62
0455	0455	1	0	0	0	67	62										SEA. PRESS. 63
0455	0455	1	0	0	0	67	62										SEA. PRESS. 64
0455	0455	1	0	0	0	67	62										WINDSPEED 65
0455	0455	1	0	0	0	67	62										WINDSPEED 66
0455	0455	1	0	0	0	67	62										SEA. CORR. 67
0455	0455	1	0	0	0	67	62										SEA. CORR. 68

SUMMARY OF DAY OBSERVED TO OBSERVER (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION					
SEA. MAX. TEMP. (°F)	SEA. MIN. TEMP. (°F)	SEA. PRECIP. WATER EQUIV. (In.)	SEA. SNOW FALL. (In.)	SEA. SNOW DEPTH. (In.)	SEA. WIND SPEED (Kts)	SEA. WIND DIR. (°T)	SEA. WIND GUST (Kts)	SEA. WIND CHILL (°F)	SEA. WIND REL. HUM. (%)	SEA. WIND VIS. (In.)	SEA. WIND WAVE HGT. (ft)	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
62	62	0	0	0	17	5	1334					1					

TIME: SUNRISE				SUNSET			
TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNSET	CHARACTER OF SUNSET	TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNSET	CHARACTER OF SUNSET
FASTEST OBSERVED SUNSET (MIN.)	FASTEST SUNSET (MIN.)	FASTEST SUNSET (MIN.)	FASTEST SUNSET (MIN.)	FASTEST OBSERVED SUNSET (MIN.)	FASTEST SUNSET (MIN.)	FASTEST SUNSET (MIN.)	FASTEST SUNSET (MIN.)
TIME CHECK - CLOCK AT: 0504 02 sec. 1600P 03 sec. 1200P 03 sec.							

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE JUL 27 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.	
SURFACE WEATHER OBSERVATIONS											
TIME ZULST	TYPE	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. AIR DEW POINT INCHES	WIND		ALTITUDE FEET	REMARKS AND SUPPLEMENTAL CODED DATA
			SURFACE	LOWER				DIRECTION	SPEED KNOTS		
0051	SA	8 SCT 140 SCT	5	40	FH	102.64	62	13	04	983	/ G4 AD
0516	SP	M 7 OVC	5		FH			13	04	984	/FEW BINOC SW AD
0548	SA	M 7 OVC	5		H	105.66	62	15	05	984	/MARS BINOC AD
0603	SP	M 9 OVC	5		H			10	04	985	/THN SPOTS 10V L 1300 15N AD
0648	SA	M 9 OVC	5		H	108.67	62	16	06	985	/THN SPOTS 10V L 1300 15N AD
0704	SP	M 11 OVC	5		H			13	06	986	/FEW BINOC AD
0748	SA	M 11 BKN	6		H	115.68	62	14	06	987	AD
0821	SP	12 SCT	6		H			16	05	986	/SCT V 13 KN AD
0852	SA	12 SCT	7			112.71	62	13	05	986	AD
0951	SA	14 SCT 140 SCT	7			115.71	62	17	09	987	/FEW ALAS NE-E AD
											207 1580 G4
1052	SA	CLR	8			115.73	62	17	09	987	/ALAS N-SE FEW MDT CU OMTS NE-E AD
											NE-E
1151	SA	CLR	10			112.74	61	18	09	988	/ALAS NE-SE FEW MDT CU AD
											OMTS NE-E
1248	SA	CLR	12			108.74	62	17	06	985	/FEW ALAS CB OMTS NE-E AD
											/ 807 1980
1349	SA	120 SCT	14			105.74	62	19	09	984	/CB PWT NE-SE ML
1449	SA	CLR	15			098.76	62	17	09	982	/CB ACCAS N-SE ML
1550	SA	CLR	13			091.78	61	18	10	980	/CB N-SE/R 17 78 RKS
											1400
1651	SA	CLR	15			091.77	61	13	09	980	/CB N-SE RKS
1751	SA	CLR	15			095.73	61	15	08	981	RKS
1851	SA	CLR	15			095.70	63	15	08	981	/303 RKS
1948	SA	CLR	15			102.69	63	18	07	983	RKS
2048	SA	CLR	12			112.68	63	17	06	986	RKS
2151	SA	12 SCT	8			115.67	62	16	06	987	/119 1500 78 RKS
2249	SA	12 SCT	7			115.66	62	19	06	987	/LAST RKS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IRXHV Nddff I₀TTT 2₀TdTd 3PoPoPoPo 4PPPP Sappp 6RRRr 7wwW1W2 8N₀CLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S.GPO:1985-0-084-008/8010

U.S. GPO 1983-0-784-004/0000

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		
SURFACE WEATHER OBSERVATIONS												DATE JUL 28 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 0 HRS	
TYPE 1	TIME 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY Miles 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6	TEMP 7	DEW PT 8	WIND 9			ALTIM ETER SET- TING 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	COR- RECTION 14
			SURFACE 10	TO WEA- TER 11					DIRECT 15	SPEED 16	DIR- ECTION 17			
SA	0450	M 11 OVC	4		H	108.66	62	18.05	985			985	THN SPOTS 10VLC 65	AD
SA	0548	M 11 OVC	5		H	112.67	61	17.05	986			986		AD
SA	0647	M 12 OVC	5		H	115.68	61	14.04	987			987	THN SPOTS 10VLC TO PS 022	AD
													1303 1511	
SA	0750	M 14 OVC	5		H	115.70	61	22.06	987			987	1B INVC	AD
SP	0822	15 SCT	5		H			15.07	987			987		AD
SA	0852	15 SCT	6		H	115.72	62	12.05	987			987		AD
SA	0952	CLR	6		H	115.72	62	17.08	987			987	FEW CL 5/500 1500 65	AD
SA	1050	CLR	6		H	115.74	62	20.09	987			987	FEW MDT CU DSNT NE-E	AD
SA	1150	CLR	6		H	112.74	62	16.07	986			986	FEW MDT CU DSNT NE-SE	AD
SA	1251	CLR	5		H	105.75	62	19.09	984			984	FEW MDT CU DSNT NE-E	AD
													810 1200	
SA	1351	CLR	6		H	102.78	62	18.06	983			983	MDT CU DSNT NE-E	BLW
SP	1357	CLR	6		H			28.09	983			983	W/HFT 2154 MDT CU	BLW
													DSNT NE-E WND 17V 31	
SA	1449	CLR	6		H	098.80	62	27.09	982			982	CB DSNT NE-E STARY	BLW
													MDT CU DSNT N	
SA	1551	CLR	6		H	095.76	61	28.10	981			981	CB MDT CU CMTHS	AMS
													N-E/710 1300 81	
SA	1649	CLR	6		H	091.75	60	26.08	980			980	CU CB CMTHS N-E	AMS
SA	1746	CLR	6		H	088.75	60	26.08	979			979		AMS
SA	1852	CLR	15			091.70	60	29.08	980			980	FEW CU NE-E/503 1200	AMS
SA	1940	CLR	15			095.67	60	29.08	982			982		AMS
SA	2054	CLR	12			105.66	61	30.06	984			984		AMS
SA	2150	CLR	10			105.65	61	29.04	984			984	1114 81	AMS
SA	2247	CLR	12			108.65	60	00.00	985			985	LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related basic observation.

FM12-VII: 1111 1R12HVV Nddff 10T TTT 20TdTdTd JP0P0P0P0 4PPPP 5pppp 6RRR1g 7wwW1W2 8Hh CLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A 11-83 WHICH MAY BE USED.

U.S.GPO:1983-0-284-005/8010

MP 1-100 (10-03)

HYPERBARIC ME-100 (1-82) WHICH MAY BE USED

U.S. GPO: 1983-0-754-028-0000

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS																						DATE JUL 29 1987				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.			

TIME (LST)	STATION PRESSURE (In.)	DIR WIND (Kts)	VEG WIND (Kts)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES SURE TEND ENCY	NET DIRL CHARGE (In.)	SURF WAVE (In.)	PREC- IPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
00																						
01																						
02																						
03																						
04	52	29.810			10											10						
05	47	29.810			10											10						
06	48	29.820			10	10	SC	M11								10	2	.020				
07	47	29.820			3											3						
08	47	29.820			0											0						
09	50	29.820			0											0	4	.000				
10	50	29.820			0											0						
11	48	29.800			0											0						
12	49	29.785			0											0	8	.035				
13	49	29.775			0											0						
14	49	29.760			0											0						
15	50	29.750			0											0	7	.035				
16	49	29.740			0											0						
17	51	29.730			0											0						
18	55	29.740			0											0	5	.010				
19	48	29.750			0											0						
20	52	29.760			0											0						
21	53	29.770			0											0	2	.030				
22	54	29.770			0											0						
23																						

SYNOPTIC OBSERVATIONS																			
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	HAL. TEMP. (F)	MIN. TEMP. (F)	MAX. TEMP. (F)	STATE OF SKY	31	32	33	34	35	36	37	38	39	40
00	0448	1	0	0	0	66	64	64											
01	0448	1	0	0	0	66	64	64											
02	0447	1	0	0	0	74	64	64											
03	1548	3	0	0	0	83	73	73											
04	2151	1	0	0	0	78	66	66											
05	2300	1	0	0	0	66	65	65											

SUMMARY OF DAY OBSERVED TO OBSERVE (2300P TO 2300P)										WEATHER & OBSTRUCTIONS TO VISION									
DIRL WIND (Kts)	DIRL WIND (Kts)	DIRL WIND (Kts)	DIRL WIND (Kts)	DIRL WIND (Kts)	DIRL WIND (Kts)	DIRL WIND (Kts)	DIRL WIND (Kts)	DIRL WIND (Kts)	DIRL WIND (Kts)	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
83	64	0	0	0	16	W	1425			F	CONT	0630	H	CONT	1540				
										K	0630	1540							

TIME				SUNRISE				SUNSET			
TOTAL CLOUDS	PERCENT OF CLOUDS	CHARACTER OF CLOUDS	CHARACTER OF SUNSET	TOTAL CLOUDS	PERCENT OF CLOUDS	CHARACTER OF CLOUDS	CHARACTER OF SUNSET	TOTAL CLOUDS	PERCENT OF CLOUDS	CHARACTER OF CLOUDS	CHARACTER OF SUNSET
TIME CHECK - CLOCK AT: 0500P ± 0 Sec./1000P ± 0 Sec./1600P ± 0 Sec.											
H0 83 ABEW CELL OUT FOR MAINTENANCE 0930 - 0145P											
SP=											
RS=											

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE JUL 30 1987	TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.		
TIME 1	TIME 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY Miles 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6	TEMP 7	DEW POINT 8	WIND 9				ALTIM ETER READING 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	CORRECTION 14
			10	11					DIRECT 10	SPEED 11	DIR. 12	SPEED 13			
SA	0452	7 SCT	5		FH	098	62	60	13	04		982	/ 62	AD	
SA	0548	6 SCT	5		FH	102	63	61	14	05		983		AD	
SP	0619	M 7 OVC	5		FH				12	05		983	18 INOV	AD	
SA	0650	M 7 OVC	4		FH	102	65	61	17	03		983	NMRS BINOV / 103 15 //	AD	
SP	0703	7 - BKN	4		FH				16	03		984		AD	
SA	0747	8 SCT	4		H	105	68	61	00	00		984		AD	
SA	0848	CLR	4		HK	105	72	62	17	04		984		AD	
SA	0950	CLR	4		HK	105	75	62	21	07		984	/ 103 62	AD	
SA	1049	CLR	5		HK	105	75	62	16	08		984		AD	
SA	1150	CLR	5		HK	102	77	62	17	07		983		AD	
SA	1248	CLR	6		HK	098	78	62	19	10		982	/ 807	AD	
SA	1348	CLR	7			045	81	62	18	08		981		ML	
SA	1449	CLR	12			085	86	61	26	10		978		ML	
SA	1550	CLR	15			085	82	54	27	10		978	/ 614 86	SLW	
SA	1647	CLR	15			081	82	51	26	11		977		SLW	
SA	1753	CLR	20			081	77	57	30	09		977		SLW	
SA	1854	CLR	20			085	72	58	28	08		978	/ 500	SLW	
SA	1952	CLR	15			088	69	59	27	04		979		SLW	
SA	2049	CLR	15			098	68	58	31	05		982		SLW	
SA	2151	CLR	15			102	67	57	08	05		983	/ 117 86	SLW	
SA	2255	CLR	15			105	66	57	00	00		984	/ LAST	SLW	

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related Basic observation.

FM12-VII: IIIII IRIHVV NddH 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRr 7wwW1W2 8hCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S. GPO: 1983-0-084-008/010

U.S. GPO: 1983-0-784-004/0000

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE JUL 31 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT
TIME Z	TYPE	SKY AND CEILING Hundred Feet 31	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm	TEMP PT °F	DIREC- T	SPEED KTS	WIND CHANG- ING	ALTIM- ETER SET- TING	REMARKS AND SUPPLEMENTAL CODED DATA (18)	OBS- ERVER
			1	2									
0445	SA	WDX	0		F	115	61	60	13	04	987	159	RHS
0540	SA	WDX	1/16		F	119	62	62	12	03	982		RHS
0652	SA	WDX	3/16		F	125	63	63	15	03	990	49054-dmly Vsb/320	RHS
0705	SP	W3X	3/16		F				13	04	990		RHS
0710	SP	-X	1/4		F				10	03	990	1P9 Vsb/SWg	RHS
0718	SP	-X M384N	3/8		F				00	00	990	E6/Vsb SW 1/4	RHS
0734	SP	-X M384N	1/2		F				00	00	990	1ES Vsb/SW 1/4 NW 1/2	RHS
0739	SP	5 SCT	2		F				15	03	990	1Vsb N-E 3/4	RHS
0743	SP	-X	3		FH				00	00	990	1FM2 Vsb NE-S 2	RHS
0753	SA	-X	3		HK	125	69	62	00	00	990	1HK1	RHS
0846	SA	CLR	5		HK	125	76	62	00	00	990		RHS
0949	SA	CLR	8			122	76	63	17	08	989	1803 59	RHS
1050	SA	CLR	10			122	78	62	18	08	989		RHS
1148	SA	CLR	8			115	81	63	20	08	987		RHS
1249	SA	CLR	10			112	83	61	18	10	986	1810	RHS
1349	SA	CLR	10			112	86	52	18	09	986		RHS
1449	SA	CLR	12			105	87	58	17	11	984		RHS
1525	SP	CLR	15						28	10	984	1WSHFT 22 WND 20V33	RHS
1529	L	CLR	15				88	57	29	10	984	1(ACT MISHAP)	RHS
1550	SA	CLR	20			102	87	52	30	10	983	1810 89 (ACT MISHAP)	RHS
1655	SA	CLR	25			102	83	51	30	10	983		RHS
1752	SA	CLR	25			998	79	56	30	12	982		RHS
1855	SA	CLR	25			102	74	57	30	10	983	1500	RHS
1947	SA	CLR	20			105	72	57	29	05	984		RHS
2053	SA	CLR	20			115	70	58	27	04	987		RHS
2150	SA	CLR	15			119	70	60	04	04	988	117 89	RHS
2255	SA	CLR	15			122	68	61	00	00	989	1LAST	RHS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IRIHVV Nddff 10nTTT 20TdTd 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.GPO:1985-0-084-008/010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)														
SURFACE WEATHER OBSERVATIONS										DATE JUL 31 1987					To convert LST to GMT ADD <u>3</u> hrs. SUBTRACT _____ hrs.											
TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL CLOUD COVER	PRES. SURE EN- HANCE- MENT (In.)	NET SUN- SHINE (Hrs.)	PRE- CIP- ITATION (In.)				
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER										
							AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT								
00																										
01																										
02																										
03																										
04	55	29.830				10													10							
05	58	29.820				10													10							
06	52	29.830				10	10	F	WU									10	3	.060						
07	57	29.840				1												1								
08	46	29.850				0												0								
09	49	29.850				0												0	8	.010						
10	50	29.845				0												0								
11	48	29.830				0												0								
12	49	29.820				0												0	8	.030						
13	49	29.815				0												0								
14	49	29.800				0												0								
15	50	29.790				0												0	8	.030						
16	55	29.790				0												0								
17	52	29.780				0												0								
18	55	29.790				0												0	5	.000						
19	47	29.800				0												0								
20	53	29.830				0												0								
21	50	29.840				0												0	1	.050						
22	55	29.850				0												0								
23																										

SYNOPTIC OBSERVATIONS																			
TIME (LST)	TIME (GST)	NO.	PRES. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA- TEMP. (°F)	WIND TEMP. (°F)	STATE OF HEAVEN	10	11	12	13	14	15	16	17	18	STATION PRESSURE COMPUTATIONS	
0455	0754	1	0	0	0	66	59											TIME LST	2946
0754	0754	1	0	0	0	67	59											AVG. THERM.	1549
0945	0945	2	0	0	0	79	59											OBSCURE BAR.	2149
1548	1548	3	0	0	0	89	76											TOTAL BAR.	
2148	2148	4	0	0	0	87	70											SEA. PRESS.	29.850
2300	2300	5	0	0	0	70	68											BAROMETER	29.800
																		SEA. CORR.	29.840

SUMMARY OF DAY (CONTINUED TO 2300P) (2300P TO 2300P)															WEATHER & OBSTRUCTIONS TO VISION									
SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		SEA-TEMP.		
SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	SEA-TEMP.	
89	59	0	0	0	0	16	NW	1813																

TIME: SUNRISE										SUNSET									
TOTAL SUNSHINE (MIN.)					PERCENT OF POSSIBLE SUNSHINE					CHARACTER OF CLOUDS					CHARACTER OF SUNSET				
PARTIAL SUNSHINE					OR PARTIAL					OR PARTIAL					OR PARTIAL				
TIME CHECK - CLOCK AT: 0500P ± 1 Sec. / 0730P ± 1 Sec. / 1600P ± 0 Sec.																			
NOTIFIED BY TOWER OF AIRCRAFT MISHAP 7/31/87 2326 1526P																			
AIRCRAFT MISHAP ACTUALLY OCCURRED AT 1548P L.C.																			
ITEM ALPHA: BE36, #N6427N; ITEM BRAVO: 25L 1548P 7/31/87																			
ITEM CHARLIE: NOSE GEAR COLLAPSE 2 ON BOARD																			
SP=																			
RS=																			

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE AUG 1 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT HRS
TIME ZULU	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP OF AIR DEW POINT INCHES	WIND			ALTIM ETER SET TIME INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OBS. CORR. REMARKS	
		SEA	LAND				DIRECT	SPEED	CHAR.				
SA 0448	CLR	5		FM	122.65	63	00	00		989	/ 64	AD	
SA 0548	CLR	4		FM	125.66	64	14	04		990	/ST DSNT S-SW	AD	
SP 0626	CLR	4		FM			00	00		989	/F BANK S-SW	AD	
SA 0651	CLR	5		FM	122.69	65	30	05		989	/500	AD	
SA 0747	CLR	6		H	119.75	63	27	05		988		AD	
SA 0850	CLR	5		HK	125.76	63	19	04		990	/FEW AC DSNT E	AD	
SA 0950	CLR	5		HK	125.84	63	17	03		990	/ACAS NE-SE/103 1030 64	AD	
SA 1049	CLR	5		HK	122.85	63	17	03		989	/FEW AC NE-SE	AD	
SA 1150	CLR	6		HK	115.91	61	23	07		987	/FEW ACAS N	AD	
SA 1250	CLR	15			108.93	56	29	11		985	/FEW ACAS N-NE / 717 1080	AD	
SA 1356	CLR	25			102.89	53	27	10		983	/TL4 E HAZN	AKS	
SA 1452	CLR	25			095.90	46	27	12		981	/AC E HAZN	AKS	
SA 1550	CLR	25			091.87	49	28	14		980	/717 94	AKS	
SA 1653	CLR	25			091.82	51	28	12		980	/CB DSNT E	AKS	
SA 1750	CLR	25			091.80	54	29	11		980		AKS	
SA 1847	75LT	25			095.74	56	28	08		981	/K 75LT E-SW 1303	AKS	
SA 1948	CLR	25			098.74	55	28	06		982	/AC W K SE-S	AKS	
SA 2047	CLR	25			108.74	57	05	03		985		AKS	
SA 2150	CLR	20			115.69	64	16	09		987	/119 94	AKS	
SA 2246	CLR	10			119.68	64	18	08		988	/LAST	AKS	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII R12hVV Nddff 1s0TTT 2s0TdTd 3PoPoPoPo 4PPPP 5sppp 6RRRtr 7wwW1W2 8MhCLMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED. U.S.GPO:1983-0-084-008/070

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS				DATE AUG 2 1987									
				TO CONVERT LST TO GMT ADD <u>7</u> HRS SUBTRACT <u>0</u> HRS									
TIME LT	TYPE	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP BY TYPE OF SUN SHADE WIND SHADE	WIND DIRECTION SPEED KNOTS MILES PER HOUR	ALTIM ETER SET TIME INCHES	REMARKS AND SUPPLEMENTAL CODED DATA (10)	OBSERVER INITIALS		
			SURFACE	LOWER									
0450	SA	CLR	5		FH	108	67	63	30	04	985	FEW AL ACAS N-SE 67	AD
0549	SA	CLR	5		FH	108	67	63	27	03	985	FEW AL NE-SE	AD
0652	SA	CLR	6		H	112	72	63	21	03	986	FEW AL DSNT E-SE / 305 / 07C	AD
0751	SA	CLR	6		H	115	76	63	09	03	987	FEW AL DSNT E-S	AD
0848	SA	CLR	10			115	80	63	19	04	987	FEW AL	AD
0951	SA	CLR	14			112	83	61	19	06	986	FEW AC NE SE / 000 1070 60	AD
1048	SA	CLR	15			112	83	57	20	07	986	FEW AC	AD
1151	SA	CLR	15			105	85	52	18	07	984	FEW ACAS TCU NESE	AD
1252	SA	140 SCT	20			078	85	53	18	07	982	FEW ACAS CB DSNT E-SE / 814 1980	AD
1346	SA	150 SCT	40			091	87	50	16	09	930	CB E-SE	RHS
1453	SA	150 SCT	40			088	89	58	20	09	979	CB E-SE	RHS
1555	SA	150 SCT	40			085	85	53	26	09	978	CB SE / 614 1370 90	RHS
1648	SA	150 SCT	40			081	82	55	24	12	977		RHS
1747	SA	CLR	15			085	76	61	29	08	978	FEW AC	RHS
1852	SA	CLR	15			088	72	62	29	08	979	CB UNTNS NE / 603 1300	RHS
1954	SA	CLR	15			085	64	60	29	07	981		RHS
2053	SA	CLR	15			102	64	60	30	07	983		RHS
2154	SA	CLR	12			108	68	64	29	04	985	219 90	RHS
2246	SA	CLR	13			108	69	61	00	00	985	LAST	RHS

FM12-VII: IIII R12HV NddH 1s0TTT 2s0TdTdD 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8N1CLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A 11-83 WHICH MAY BE USED.

U.S.G.P.O. 1983-0-004-0000010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE AUG 3 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u> </u> HRS	
TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP AIR DEW POINT SURFACE	WIND				ALTIMETER SETTING	REMARKS AND SUPPLEMENTAL CODED DATA			
		Surface	Upper				Dir	Speed	Char	Dir			Speed		
SA 0444	140 SCT	7			105.65	62	30	03			984	/ 65	ML		
SA 0550	140 SCT	6		HK	108.66	62	28	05			985		ML		
SA 0650	140 SCT	6		HK	112.69	63	30	03			986	/ 305 1070	ML		
SA 0749	CLR	7			115.74	64	35	03			987	/ FEW AC	ML		
SA 0849	CLR	9			115.79	64	18	04			987	/ FEW AC	ML		
SA 0950	CLR	10			115.78	63	18	07			987	/ FEW AC / 103 1070 65	ML		
SA 1044	150 SCT	15			115.79	59	19	06			987		ML		
SA 1149	150 SCT	15			112.81	58	18	09			986	/ TCU DSNT E	ML		
SA 1249	CLR	20			105.83	53	19	08			984	/ TCU DSNT NE FEW AC	ML		
												/ 812 1270			
SA 1350	CLR	20			098.84	40	17	08			982	/ MDT CU DSNT NE FEW AC	AD		
SA 1449	CLR	20			091.88	39	17	07			980	/ MDT CU DSNT NE FEW AC	AD		
SA 1551	CLR	20			091.84	61	29	07			980	/ FEW MDT CU AC DSNT N-NE	AD		
												/ 614 1270 89			
SA 1650	CLR	12			091.79	62	29	09			980	/ FEW CU DSNT NE	AD		
SA 1749	CLR	12			091.76	60	26	08			980	/ FEW CU DSNT NE	AD		
SA 1852	CLR	14			102.71	62	28	07			983	/ 310	AD		
SA 1952	CLR	10			108.69	61	29	08			985		AD		
SA 2050	CLR	10			112.68	60	28	06			986		AD		
SA 2151	CLR	8			115.68	61	29	04			987	/ 115 89	AD		
SA 2248	CLR	8			115.67	61	29	04			987	/ LAST	AD		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IR12HVV Nddff 1a0TTT 2a0TdTd 3PoPoPoPo 4PPPP 5app 6RRRr 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A 11-82 WHICH MAY BE USED.

U.S.G.P.O. 1982-0-484-000/0010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)						
SURFACE WEATHER OBSERVATIONS				DATE AUG 4 1987						
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 12 HRS.						
TIME LOCAL	SKY AND CEILING Hundred Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP PT. OF AIR DEW POINT SURFACE SEA	WIND		ALTIM FEET SEA LEVEL	REMARKS AND SUPPLEMENTAL CODED DATA	
						DIRECT SPEED KNOTS	CHANGED DIRECTION DEGREES			
1	2	3	4	5	6	7	8	9	10	11
0444	10 SCT 150 SCT	5	H	115.66	63	13	05	987	/ 65	ML
0519	M G BKN	5	H			11	03	987		ML
0549	M G BKN	5	H	115.66	62	14	03	987	/ TRPS CL7	ML
0624	10 SCT	5	H			19	04	987		ML
0650	12 SCT	6	H	119.68	62	14	06	988	/ 307 1500	ML
0749	CLR	7		119.71	62	16	04	988	/ FEW SC	ML
0849	CLR	8		119.74	63	17	05	988		ML
0950	CLR	10		119.74	62	17	04	988	/ 400 65	ML
1049	CLR	12		119.78	60	18	07	988	/ TCU AC N-NE	ML
1150	CLR	12		115.79	58	19	07	987	/ TCU AC N-E	ML
1249	CLR	12		112.81	54	18	06	986	/ TCU AC N-SE / 808 1270	ML
1350	150 SCT	15		102.81	54	18	08	983	/ TCU CA (MTUS) N-WF	RLS
1453	CLR	15		095.83	54	15	08	981	/ FEW AC CA N-NE	RLS
1552	CLR	10		088.84	51	17	08	979	/ V44 L44 W CB dsh / N-NE / 622 1300 83	RLS
1657	CLR	8		088.80	64	27	08	974	/ HAZY	RLS
1752	CLR	7		085.76	63	28	08	978	/ HAZY	RLS
1849	CLR	12		085.73	61	30	08	974	/ 500	RLS
1946	CLR	12		041.71	62	32	06	950		RLS
2050	CLR	12		105.71	62	31	05	984		RLS
2153	CLR	12		112.70	61	34	06	986	/ 122 83	RLS
2247	CLR	10		108.69	60	31	04	985	/ LAST	RLS

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: IIII (R)hVV NddH 10TTT 20TdTd 3PoPoPoPo 4PPPP Sppp 6RRRr 7wwwW2 8MhCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED. U.S.G.P.O. 1983-0-084-000/0010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE AUG 5 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT			
SURFACE WEATHER OBSERVATIONS													
TIME 1 2	TYPE 3	SKY AND CEILING Hundred Feet 4	VISIBILITY Miles 5		WEATHER AND OBSTRUCTIONS TO VISION 6	SEA LEVEL PRESSURE Inches 7		WIND 8			ALTITUDE Feet 9	REMARKS AND SUPPLEMENTAL CODED DATA 10	OBSERVER 11
			12	13		14	15	16	17	18			
0450	SA	M 9 OKC	8			108	64	64	14	03	985	/ 67	ML
0516	SP	M 11 BKN 120 BKN	8						16	04	986		ML
0549	SA	M 12 BKN 120 BKN	8			112	69	63	09	03	986	/ TOPS 016	ML
0650	SA	M 13 BKN	8			112	70	64	13	06	986	/ 105 1500	ML
0728	SP	14 SCT E 140 BKN	8						10	05	987		ML
0749	SA	14 SCT E 140 BKN	10			115	74	64	13	07	987		ML
0849	SA	15 SCT 140 SCT	10			112	73	64	17	07	986		ML
0950	SA	140 SCT	10			112	74	64	18	09	986	/ CCC 1070 67	ML
1050	SA	E 140 BKN	12			112	73	63	20	08	986		ML
1149	SA	140 SCT	14			108	76	64	19	08	985	/ ACCAS ALGDS	ML
1249	SA	140 SCT	15			102	77	63	18	09	983	/ TCU DSNT E 810 1270	ML
1353	SA	150 SCT	15			095	74	63	18	10	981		RLS
1459	SA	E 150 BKN	13			095	75	63	19	13	981	/ TCU CB UMINS N-THE	RLS
1549	SA	E 130 BKN	13			095	75	63	16	10	981	/ 607 1060 79	RLS
1650	SA	130 SCT 250 SCT	12			098	73	64	15	10	982		RLS
1751	SA	250 SCT	15			095	72	64	17	08	981		RLS
1849	SA	150 SCT 250 SCT	15			095	71	64	20	03	981	/ 000 1031	RLS
1946	SA	CLR	13			095	72	64	20	05	981	/ FEW CI	RLS
2054	SA	CLR	15			105	71	64	15	06	984		RLS
2157	SA	CLR	15			108	69	65	15	06	985	/ 114 79	RLS
2247	SA	CLR	10			112	69	65	17	07	986	/ FEW AC LAST	RLS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII 1R12HV NddH 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8MhCLChCh plus regional and national data groups.
SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED. U.S.G.P.O.:1985-0-284-028/8010

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)						
SURFACE WEATHER OBSERVATIONS				DATE AUG 6 1987						
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.						
TIME Z	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Hpa	TEMP PT OF AIR	WIND DIRECTION SPEED Kts	ALTIM ETER SET TING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OR RECEIVED STATION	
										Surface
0445	M118KN 120 OVC	10		108	64	64	20.00	985	18TN 6 SGT ANVIL 68	AMS
0551	11 SGT E1208KN	10		112	68	63	26.05	986		AMS
0644	E1508KN	10		119	70	63	33.05	988	1300 1070	AMS
0751	150 SGT	10		119	77	64	24.03	988		AMS
0844	CLR	10		115	80	64	36.03	987	1 FEW AC	AMS
0945	150 SGT	10		115	77	65	18.09	987	1603 1030 68	AMS
1051	150 SGT	12		119	77	65	19.04	988		AMS
1151	170 SGT	11		115	78	64	16.06	987		AMS
1250	160 SGT 200 SGT	12		108	80	63	20.10	985	1CB DSNT E/307 1972	ML
1344	160 SGT 200 SGT	12		105	80	65	19.11	984	1CB DSNT NE	ML
1444	160 SGT 200 SGT	10		102	78	65	19.12	983	1CB DSNT NE	ML
1552	160 SGT 250 SGT	8		102	77	65	17.11	983	FEW MDTW DSNT NE / 607 1272 81	40
1650	250 SGT	8		102	73	65	18.11	983	1 FEW AC	AD
1750	300 SGT	8		102	73	65	18.09	983		AD
1852	300 SGT	8		105	73	64	00.00	984	1AC E-SE /303 1072	AD
1950	300 - SGT	7		112	70	64	30.05	986		AD
2049	300 - SGT	5	H	115	70	63	32.05	987		AD
2150	300 - SGT	4	H	119	69	63	29.04	988	112 1002 81	AD
2250	10 SGT	3	H	119	68	63	29.04	988	LAST	AD

FM12-VII: IIIII IRIthVV NddH 1s-TTT 2s-TdTdTd 3PpPpPpPp 4PPPP Suppp 6RRRrr 7wwWlW2 8thCLCMCH plus regional and national data groups.

U.S. GPO: 1983-0-004-078-5719

MF 1-15A (5-83) C		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE AUG 7 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS	
TIME Z	TYPE	SKY AND CEILING Hundreds of Feet 31	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMPERATURE AIR DEW POINT	WIND			ALTITUDE FEET	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS		
			Surface	Upper				Direction	Speed	Direction					
0454	SA	M1500	6			115	64	63	00	00	987	160	AMS		
0534	SA	M1500	10						00	00	988	TLPS CLR	AMS		
0544	SA	M1500	11			119	70	63	07	04	989	TLPS CLR	AMS		
0647	SA	M1600	12			122	71	63	17	05	989	1307 1500	AMS		
0748	SA	M1600	12			125	72	64	16	04	990	SEA BREEZE NOTED	AMS		
0850	SA	M1600	12			124	72	64	17	07	991		AMS		
0922	SA	M1600	13						14	06	991	1800 USCT	AMS		
0932	SA	1600 1500	10						19	03	991		AMS		
0951	SA	1600 1500	10			124	75	64	24	05	991	1107 1530 68	AMS		
1050	SA	1500-500	12			125	76	64	14	11	990		AMS		
1153	SA	1500-500	13			125	77	64	15	08	990	ALLAS 5-200	AMS		
1254	SA	1500-500 2500-500	13			122	77	64	22	10	989	1707 1031	AMS		
1353	SA	1500-500 2500-500	13			122	77	64	21	09	989		AMS		
1450	SA	1500-500 2500-500	13			115	76	64	17	09	987		AMS		
1555	SA	CLR	7			112	75	65	17	08	986	FEW AC CI/610 1031 78	AD		
1650	SA	CLR	8			112	73	65	17	07	986	FEW AC CI	AD		
1748	SA	CLR	8			112	73	64	17	07	986	FEW AC CI	AD		
1850	SA	CLR	7			112	72	64	29	08	986	FEW AC CI/400 1031	AD		
1948	SA	CLR	8			119	70	63	27	08	988		AD		
2051	SA	CLR	8			125	69	63	25	07	990		AD		
2121	SA	M1400	8						28	06	991		AD		
2150	SA	M1400	8			129	69	63	30	06	991	THN SPOTS 1000/115	AD		
2244	SA	M1300	7			129	69	63	30	06	991	1511 78	AD		

FM12-VII: 1111 1121HVV NddH 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8hCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1983-0-084-008/010

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE AUG 8 1987		TO CONVERT LST TO GMT ADD _____ MIN. SUBTRACT _____ MIN.		
SURFACE WEATHER OBSERVATIONS												
TIME 1	TIME 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY Miles 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6	TEMP. 7	DEW POINT 8	WIND DIRECTION 9	SPEED 10	WAVE HEIGHT 11	REMARKS AND SUPPLEMENTAL CODED DATA 12	NO. OF OBSERVATIONS 13
SA	0450	M130VC	4	H	129.66	62	30.04	991	*66	*B.M.V.C.	ML	
SA	0549	M120VC	4	H	132.67	62	30.03	992	/	B.M.V.C.	ML	
SA	0650	M120VC	5	H	135.68	62	21.03	993	/	30.7 1511	ML	
SA	0749	M140VC	5	H	139.70	62	26.03	994	/	B.M.V.C.	ML	
SD	0835	M16BKN	5	HK			00.00	995			ML	
SD	0831	16 SCT	5	HK			29.03	995	/	SCT V BKN	ML	
SA	0849	16 SCT	5	HK	142.74	61	23.03	995			ML	
SA	0950	CLR	5	HK	142.75	62	17.08	995	/	107 66	ML	
SA	1049	CLR	6	HK	142.76	62	19.10	995			ML	
SA	1149	CLR	7		139.78	62	18.10	994			ML	
SA	1249	CLR	9		132.79	61	18.09	992	/	810	ML	
SA	1349	CLR	8		125.82	61	19.09	990			AD	
SA	1449	CLR	10		119.83	61	29.10	988			AD	
SA	1550	CLR	14		115.80	61	27.09	987	/	FEW SC DSNT W/617 1500 84	AD	
SA	1647	CLR	14		115.77	62	29.08	987	/	FEW SC DSNT W	AD	
SA	1747	CLR	14		119.75	61	26.08	988	/	FEW SC DSNT W	AD	
SA	1848	CLR	14		119.70	62	26.11	988	/	SC DSNT SW-NW/103 1500	AD	
SA	1947	CLR	10		125.68	62	28.10	990			AD	
SA	2049	CLR	10		132.67	62	30.06	992			AD	
SA	2150	CLR	10		135.67	62	30.06	993	/	117 84	AD	
SA	2252	CLR	8		135.66	62	30.05	993	/	LAST	AD	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII R12hVV NddH 10TTT 20TdTd 3PoPoPoPo 4PPPP Sappp 6RRRR 7wwW1W2 BnhCLCMH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-004-0000010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE AUG 9 1987	TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.		
TIME (LST)	TYPE	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL (Feet)	TEMP (F)	DEW PT. (F)	WIND					ALTIM ETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA (1-5)
			Surface	Upper					Dir	Speed	Dir	Speed	Dir		
0447	SA0447	M9 OVC	7			135	65	61	20	04		993	/CIG RG-D VSBY LWR W-N	8LW	
0551	SA0551	M9 OVC	6		H	135	65	61	19	04		993	/CIG RG-D THIN SPOTS IN OVC VSBY LWR W-N	8LW	
0654	SA0654	M9 OVC	6		H	139	66	61	17	05		994	/CIG RG-D TOPS 3.4	8LW	
0757	SP0757	M10 OVC	6		H				12	04		994	/CIG RG-D	8LW	
0748	SA0748	M12 OVC	6		H	139	69	62	14	03		994	/SML BINGVS OYMD	8LW	
0807	L0807	M13 BKN	6		H				19	05		994	/BKN V SCT	8LW	
0853	SP0853	14 SCT	6		H				17	04		994		8LW	
0853	SA0853	CLR	7			135	74	62	28	04		993	/FEW SC AC	8LW	
0950	SA0950	CLR	8			135	75	61	17	03		993	/FEW AC SE-S / 603 1030 630	8LW	
1055	SA1055	CLR	8			135	76	62	17	12		993	/FEW AC S	8LW	
1139	L1139	CLR	10				76	62	17	12		993	/ACFT MISHAP	8LW	
1152	SA1152	CLR	10			135	76	62	17	10		993		8LW	
1247	SA1247	CLR	10			132	80	62	20	09		992	/FEW CI / 803 1001	8LW	
1347	SA1347	250 -SCT	8			125	82	62	16	08		990		8LW	
1356	SP1356	250 -SCT	8						30	07		989	/WSHFT 2.53 HPG	8LW	
1449	SA1449	250 -SCT	12			115	82	63	27	10		987	/FEW SC DSNT W AC	8LW	
1549	SA1549	CLR	12			108	78	63	28	08		985	/FEW CU DSNT N-E	AD	
1651	SA1651	CLR	14			105	77	62	27	08		984	/FEW SC DSNT W CI S	AD	
1750	SA1750	CLR	15			105	74	61	28	08		984	/FEW CI SC DSNT W	AD	
1852	SA1852	CLR	20			108	71	61	28	08		985	/FEW CI / 500 1001	AD	
1949	SA1949	CLR	15			112	69	61	28	07		986		AD	
2048	SA2048	CLR	14			119	69	60	28	06		988		AD	
2150	SA2150	CLR	12			122	68	59	28	05		989	/112 85	AD	
2250	SA2250	CLR	14			125	68	60	01	04		990	/CI S LAST	AD	

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related basic observation.

FM12-VII: IIII IRIHVV HddH 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5app 6RRRr 7wwW1W2 8MhCLMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1985-0-284-000/010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE AUG 10 1987	
				TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.	
TIME Z	SKY AND CEILING Number of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP OF AIR DEW POINT SURFACE WIND DIRECTION SPEED KNOTS MILES PER HOUR
SA 1045	CLR	12		129.65	60.00
SA 1049	CLR	13		135.65	07.04
SA 1049	CLR	12		135.70	12.04
SA 1049	CLR	12		139.71	17.06
SA 1049	CLR	12		139.73	14.08
SA 1049	CLR	15		142.73	14.10
SA 1050	CLR	15		139.74	14.09
SA 1116	CLR	15		139.77	18.10
SA 1247	CLR	15		132.78	19.10
SA 1350	CLR	15		125.77	17.10
L 1430	CLR	15		74.62	17.09
SA 1449	CLR	15		119.80	17.09
SA 1520	CLR	20			28.04
SA 1550	CLR	20		119.82	29.08
SA 1652	CLR	15		115.79	26.08
SA 1754	CLR	15		115.76	28.09
SA 1851	CLR	15		119.72	28.08
SA 1953	CLR	12		125.70	27.07
SA 2055	CLR	10		132.69	30.06
SA 2150	CLR	8		132.69	29.05
SA 2249	CLR	8		135.68	00.00

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1212VY Nddff 1a0TTT 2a0TdTd 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8MhCLCMCh plus regional and national data groups.

SUPERSEDES MP 1-10A 11-83 WHICH MAY BE USED.

U.S.G.P.O. 1985-0-684-020/010

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE AUG 11 1987	TO CONVERT LST TO GMT ADD -8 HRS. SUBTRACT _____ HRS.
TIME FLY	TIME FLY	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP DEW POINT	WIND			ALTIM. SET. TIME	REMARKS AND SUPPLEMENTAL CODED DATA (13)	O. CORRECTION REMARKS
			Surface	Lower				Direction	Speed	Direction			
0405	0453	12 SCT	10			135	63	15	03		993	165	AMS
0500	0526	MIC BKN	13					23	03		994		AMS
0530	0551	M12 BKN	13			139	67	63	17	03	994		AMS
0600	0648	M12 BKN	13			146	62	63	13	04	996	1115 1511	AMS
0630	0733	M15 BKN	12					25	03		996	15 ML RAIN	AMS
0700	0746	M15 BKN	11			146	70	62	14	04	996		AMS
0730	0805	15 SCT	12					20	04		996		AMS
0800	0846	15 SCT	13			146	73	63	20	07	996		AMS
0830	0951	CLR	14			146	73	62	18	08	996	FEW SC 102 1500 65 RH	AMS
0900	1050	CLR	15			149	75	62	15	09	997		AMS
0930	1146	CLR	15			142	77	62	22	07	995		AMS
1000	1247	CLR	15			139	78	62	21	09	994	1807	AMS
1030	1349	CLR	15			135	78	62	20	09	993		AMS
1100	1449	CLR	15			125	81	62	17	08	990	SC S-W	AMS
1130	1521	CLR	15					29	09		990	WSHFT 17 FEW SC	AMS
1200												DSNT SW-W WNE 22V36	AMS
1230	1550	CLR	15			125	82	62	29	08	990	FEW SC DSNT SW-W	AMS
1300												614 1500 83	AMS
1330	1652	CLR	15			125	79	61	29	08	990	FEW SC DSNT W	AMS
1400	1747	CLR	15			125	75	62	28	10	990	FEW SC DSNT W	AMS
1430	1849	CLR	15			129	71	62	28	10	991	FEW SC DSNT SW-W	AMS
1500												AC DSNT NW/ 303 1570	AMS
1530	1951	CLR	12			132	70	63	30	08	992		AMS
1600	2053	CLR	12			139	68	62	29	08	994		AMS
1630	2150	CLR	12			142	67	61	28	06	995	114 83	AMS
1700	2254	CLR	12			142	67	58	30	06	995	LAST	AMS

FM12-VII: 1111 1R12HV NddH 1aTTT 2aTdTd 3PoPoPo 4PPPP 5app 6RRR1R 7wwW1W2 8MhCLChCH plus regional and national data groups.
SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED. U.S.G.P.O. 1983-0-084-000010

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)						
SURFACE WEATHER OBSERVATIONS				DATE AUG 12 1987						
				TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT _____ HRS.						
TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. OF AIR DEW POINT SURFACE WIND DIRECTION SPEED KNOTS MILES PER HOUR	WIND SPEED KNOTS MILES PER HOUR	ALTIMETER SETTING INCHES MILLIBARS	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
		SURFACE	LOWER							
020458	CLR	15			172.65	60	31.04	995	/64	RHS
040546	250-5LT	20			149.65	61	00.00	997		RHS
060718	CLR	15			149.69	61	23.03	997	FEW SC 13-1500	RHS
080750	115LT	15			152.71	61	14.04	998		RHS
100854	115LT	12			149.73	61	21.06	997		RHS
120952	CLR	15			149.73	61	19.09	997	1000 64	RHS
141053	CLR	15			149.75	61	20.08	997	64 NW	RHS
161150	CLR	15			142.77	61	19.09	995	1000 NW CUE	RHS
181250	250-5LT	15			135.74	60	14.10	993	1000 E 8:4 1001	RHS
201344	CLR	15			132.83	61	25.09	992	1000 NE CI W-NW	ML
221444	250-5LT	15			125.52	62	26.09	990	1000 NE SC W	ML
001550	CLR	15			122.77	62	28.11	989	1000 SW-NW CI NW-N	AD
									1714 1502 83	
021648	CLR	15			122.74	62	28.09	989	1000 SW-NW FEW CI N	AD
041748	CLR	20			122.72	61	28.09	989	1000 SW-NW FEW CI N	AD
061848	CLR	20			122.69	61	27.08	989	1000 SW-NW FEW CI N	AD
									500 1502	
081948	CLR	15			125.67	61	28.08	990	1000 SW-NW	AD
102049	CLR	12			129.67	60	29.08	991	1000 SW-NW	AD
122151	CLR	12			129.66	60	29.06	991	1000 SW-NW	AD
									107 1500 83	
142248	CLR 15 5LT	12			129.66	59	29.05	991	1000 LAST	AD

FM12-VII: IIII R12hVV Nddh 1a0TTT 2a0TdTd 3PoPoPoPo 4PPPP 5appp 6RRR1R 7wW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-80) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-004-000-0010

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE AUG 14 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.	
TIME (LST)	SKY AND CEILING (Number of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Inches)	TEMP. (F)	DEW PT. (F)	WIND		ALTIM. ETER SET TIME (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBS. NUMBER			
		Surface	Upper					Direction	Speed						
SA0449	M5 BKN 8 OVC	1 1/2		L-F	105	63	63	29	06	984	/CIG RG-D/ 62 2000	2LW			
SP0517	5 SCT MR OVC	1 1/2		L-F				29	06	984	/CIG RG-D	2LW			
SP0526	5 SCT MR BKN 10 OVC	2		L-F				30	05	985	/CIG RG-D	2LW			
SA0551	5 SCT MR BKN 10 OVC	2		L-F	108	63	62	30	04	985	/CIG RG-D VSBY W2 1/2	2LW			
											E 1 1/2 TOPS 045				
SP0624	M7 BKN 10 OVC	2 1/2		L-F				27	04	986	/CIG RG-D VSBY SE+ SW-W 1 1/2	2LW			
SP0653	M6V BKN 8 OVC	1 1/2		L-F	112	63	62	28	06	986	/CIG SV7 VSBY 1 1/4 1 3/4	2LW			
											10800 1611				
SP0721	M5V BKN 8 OVC	1		L-F				25	04	987	/CIG 4V6	2LW			
SP0731	M6V BKN 8 OVC	1 1/4		L-F				21	07	988	/CIG SV7	2LW			
SA0752	M6V BKN 8 BKN 15 OVC	1 1/4		R-L-F	119	63	62	21	06	988	/RG45 CIG SV7 TOPS 2000	2LW			
SP0801	M6V BKN 8 BKN 15 OVC	1 1/2		R-L-F				23	07	988	/CIG SV7 VSBY SE5	2LW			
SP0809	6 SCT MR BKN 15 OVC	2		L-F				20	08	988	/VSBY SE-SW7	2LW			
SP0817	6 SCT M8 BKN 11 OVC	2 1/2		L-F				21	08	989	/CIG RG-D VSBY NE2	2LW			
											SE-SW7 PCPN VRY LGT				
SP0825	8 SCT M12 BKN 16 OVC	2 1/2		L-F				20	08	989	/CIG RG-D VSBY SE-SW7	2LW			
											PCPN VRY LGT				
SP0834	8 SCT M12 BKN 16 OVC	3		L-F				20	09	989	/CIG RG-D VSBY SE-SW7	2LW			
											PCPN VRY LGT				
SA0854	8 SCT M13 BKN 16 OVC	6		L-	122	65	61	20	08	989	/RE05 CIG RG-D F-FN	2LW			
											VRY LGT				
SP0920	10 SCT M16 BKN 20 OVC	10						23	08	989	/VSBY LWR N-E	2LW			
SA0950	12 SCT M18 BKN 28 OVC	12			125	67	61	18	09	990	/LE12/ 21403 1511 62	2LW			
SA1051	14 SCT 18 SCT M26 OVC	15			125	69	59	21	05	990	/RW2 E-SE	2LW			
SA1153	20 SCT M28 OVC	20			125	69	58	18	09	990	/RW2 E-SE AND NW-N	2LW			
SA1244	20 SCT M25 OVC	20			125	71	58	16	09	990	/400 1811	ML			
SA1344	20 SCT M28 OVC	20			125	70	57	19	10	990	/BIN OVC	ML			
SA1444	22 SCT E28 OVC	20			125	70	57	17	08	990	/BIN OVC	ML			
SA1551	22 SCT E28 OVC	20			122	69	57	17	07	989	/BIN OVC /805 1811 71	AD			
SP1629	25 SCT E35 BKN	20						18	07	988		AD			
SA1652	23 SCT E40 BKN	20			119	69	56	18	09	988		AD			
SP1720	E25 BKN 40 BKN	20						16	08	988	/25 BKN V SCT	AD			
SA1748	M23 BKN 40 BKN	20			115	68	56	15	07	987	23 BKN V SCT	AD			
SP1824	23 SCT 40 SCT	20						16	07	988		AD			
SA1852	40 SCT 70 SCT	20			119	66	54	15	06	988	/FEW LWR SC / 502 1570	AD			
SA1951	M36 BKN	20			122	66	55	15	06	989	/FEW LWR SC	AD			
SA2049	M37 OVC	20			125	66	55	16	06	990	/BIN OVC SW-W	AD			
SA2152	M35 OVC	20			125	66	57	13	05	990	/107 1511 71	AD			
SA2248	35 SCT M44 OVC	20			129	66	56	13	05	991	/NARS BIN OVC FEW LWR SC	AD			
											LAST				

FM12-VII: IIIII IRIHVV Nddff I₀TTT 2₀TdTd 3PoPoPoPo 4PPPP Sappo 6RRRt₀ 7mmW1W2 8MhCLmCH plus regional and national data groups.

SUPERSEDES MP 1-10A (11-82) WHICH MAY BE USED.

U.S.GPO:1985-0-004-0000010

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS										DATE AUG 15 1987									
										TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u> </u> HRS									
TIME 11ST 2	SKY AND CEILING Hundreds of Feet 31	VISIBILITY Miles 141 40	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS 6 7 8	TEMP 9 10 11 12	WIND DIRECTION 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	WIND SPEED 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	ALTITUDE 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200	REMARKS AND SUPPLEMENTAL CODED DATA 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200	CORRECTION 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200									
											0455	15 SCT M458RN	15		134	66	56	16	05
0550	15 SCT M458RN	15		136	66	57	14	05	996			996							
0651	15 SCT M458RN	25		152	68	58	14	10	998	1314	1200	998							
0746	15 SCT E458RN	25		152	70	56	16	10	998			998							
0850	15 SCT E458RN	25		154	70	55	18	10	994			994							
0950	15 SCT 50 SCT	25		154	72	55	18	10	000	1308	1800 65	000							
1055	15 SCT 50 SCT	20		154	73	50	21	10	000			000							
1154	20 SCT	25		152	75	56	18	09	998			998							
1246	20 SCT	25		149	75	54	21	10	997	1812	1100	997							
1354	25 SCT	25		146	75	54	18	12	996			996							
1449	25 SCT	25		142	77	54	19	10	995	WNC 16V22		995							
1550	CLR	25		139	75	55	23	13	615	994	FEW SC / 708 1500	994							
										77									
1653	CLR	25		139	73	57	27	14	994	FEW SC W		994							
1751	CLR	25		137	70	56	26	10	994	FEW SC W		994							
1848	CLR	25		142	67	58	28	11	995	FEW SC W / 303 1500		995							
1952	CLR	20		146	66	57	28	10	996			996							
2047	CLR	20		149	66	55	28	09	997			997							
2150	CLR	15		152	65	56	28	07	998	210 77		998							
2255	CLR	15		152	64	55	29	05	998	LAST		998							

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1912HVY Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5sepp 6RRR1R 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES WF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-008/010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS												DATE AUG 16 1987									
												TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT									
TIME /LST	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Inches	TEMP. F	DEW PT. F	WIND				ALTIMETER SETTING Inches	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER							
		SURFACE	LOWER					DIR.	SPEED	CHANGING	IN KNOTS										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							
020454	CLR	20			159.60	57	36	04			000	/60	AMS								
04048	CLR	20			166.59	54	02	04			002	/SC SE-S MAR-N	AMS								
06048	CLR	20			166.64	55	02	03			002	/SC S MAR-N 1312 1500	AMS								
08051	CLR	20			169.64	56	25	03			003		AMS								
10053	CLR	15			173.73	56	15	03			004	/SC W	AMS								
12048	CLR	15			169.74	56	17	06			003	/SC W 1003 1500 59	AMS								
14091	CLR	15			166.74	58	22	11			002	/CU W	AMS								
16046	CLR	15			159.75	58	22	10			000		AMS								
18048	CLR	20			156.77	58	18	11			009	/B15	AMS								
SP1332	CLR	15							30	08	997	/WSHFT 27 FEW SC	AMS								
												BSNT W WNC 21V31									
SA1353	CLR	15			149.81	58	26	09			997	/FEW SC BSNT W	AMS								
SA1451	CLR	15			146.80	58	27	10			996	/FEW SC BSNT W	AMS								
SA1550	CLR	15			142.76	59	30	10			995	/SC BSNT SW-W 712	AMS								
												1500 81									
SA1647	CLR	15			146.74	59	29	10			996	/SC BSNT SW-W	AMS								
SA1754	CLR	15			146.71	59	28	12			996	/SC BANK BSNT S-W	AMS								
SA1852	15 SCT	15			149.68	60	29	09			997	/SC GRDLY INCRG	AMS								
												207 1500									
SA1949	CLR	12			156.66	60	29	10			999	/FEW SC	AMS								
SA2048	CLR	12			159.65	60	27	07			000	/FEW SC	AMS								
SA2150	CLR	12			163.65	60	30	06			001	/FEW SC / 214 1500 81	AMS								
SA2255	12 SCT	8			163.64	60	29	05			001	/LAST	AMS								

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII R12HVV MddH 1a TTT 2a Td Td 3P P P P P 4 P P P P 5a p p p p 6 R R R R 7a W W 1 W 2 B N H C L C M C H plus regional and national data groups.
SUPERSEDES MP 1-10A (1-62) WHICH MAY BE USED. U.S.G.P.O. 1982-0-001-000000

NP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)										
SURFACE WEATHER OBSERVATIONS				DATE AUG 17 1987										
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 1 HRS.										
TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Inches)	TEMP (F)	DEW PT (F)	WIND			ALTIM ETER READING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION APPLIED	
		SURFACE	TO WEA					DIRECTION	SPEED	MAX				
0120	M 11000	7			166	64	59	24	06		002	163		
0145	M 12000	7			173	64	59	25	06		004			
0214	M 13000	7						26	04		005	1023		
0253	M 14000	7			190	64	58	24	02		006	1314 1511		
0330	M 15000	7						30	00		007			
0407	M 15000	5		H	186	66	58	29	02		008			
0447	M 17000	7			186	67	58	30	06		009			
0549	M 19000	8			190	68	58	35	03		009	1108 1511 63		
0652	M 23 BKN	7			183	72	57	27	07		007			
0710	23 SCT	7						30	05		006			
0815	CLR	13			173	74	58	20	08		007			
0920	CLR	12			169	74	58	18	12		003	1819		
1049	CLR	14			166	74	58	20	10		002			
1149	CLR	14			156	74	58	19	13		999			
1249	CLR	12			152	74	58	26	08		998	1617 77		
1348	CLR	12			149	71	58	30	08		997	FEW SC DSNT W		AD
1449	CLR	10			149	69	59	28	10		997	SC DSNT SW-NW		AD
1548	CLR	10			152	66	59	27	08		998	SC DSNT SW-NW/500 1500		AD
1650	CLR	8			159	65	59	28	08		000	SC DSNT SW-W		AD
1747	CLR	8			166	65	59	28	07		002	FEW SC		AD
1851	CLR	8			169	64	59	28	08		003	SC DSNTS-W/115 1500 77		AD
1949	CLR 15 SCT	8			169	64	59	30	07		003	LAST		AD

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related basic observation.

FM12-VII: IIII RghVv NddH lsnTTT 2snTdTdTd 3PoPoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8NnCLCMCh plus regional and national data groups.
SUPERSEDES NP 1-10A 11-82 WHICH MAY BE USED. U.S.G.P.O.:1983-0-084-000000

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE AUG 18 1987		TO CONVERT LST TO GMT ADD 8 Hrs. SUBTRACT 0 Hrs.	
SURFACE WEATHER OBSERVATIONS											
TIME LT	SKY AND CEILING Number of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Inches	TEMP. F	DEW POINT F	WIND DIRECTION Kts	WIND SPEED Kts	WIND GUST Kts	ALTIM. INCHES	REMARKS AND SUPPLEMENTAL CODED DATA
SA 0447	M14 OVC	7		167	64	57	00	00		003	CIG RGD VSBY LWR NE 32W
											62
SA 0554	M14 OVC	6	H	173	64	58	30	04		004	CIG RGD TOPS 024 32W
SA 0652	M14 OVC	5	H	176	65	58	31	04		005	CIG RGD / 112 1511 32W
SA 0751	M14 OVC	6	H	180	65	57	18	04		006	TOPS 024 32W
SP 0834	M15 OVC	7					12	03		006	
SA 0852	M17 OVC	6	H	180	67	58	24	04		006	
SA 0958	M17 OVC	6	H	183	70	58	23	06		007	32W / 112 1511 62 ML
SP 1012	22 SCT	6	H				14	09		007	CIG LWR NE-SE 32W
SA 1054	22 SCT	7		183	71	59	19	09		007	
SA 1151	CLR	8		176	72	58	17	10		005	32W
SA 1249	CLR	8		173	74	58	20	12		004	610 32W
SA 1349	CLR	8		166	78	58	25	08		003	ML
SA 1449	CLR	10		159	78	57	25	09		000	CLE ML
SA 1550	CLR	12		152	73	57	28	09		998	FEW AL / 720 1070 79 AD
SA 1649	CLR	14		152	71	57	28	10		998	FEW AL SC DSNT W AD
SA 1757	CLR	14		152	68	58	28	11		998	FEW ALAS NW AL SW-W AD
											SC DSNT W
SA 1850	CLR	12		152	66	57	27	10		998	FEW ALAS SW-N SC DSNT W AD
											500 1580
SA 1952	CLR	10		156	65	57	28	08		999	SC DSNT SW-W AD
SA 2048	CLR	10		163	65	57	28	07		001	
SA 2150	CLR	10		166	64	56	29	06		002	112 79 AD
SA 2249	CLR	10		166	64	57	31	05		002	LAST AD

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: IIII 1R12HVY Mddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5app 6RRR1R 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-MA (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-884-000/8010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE AUG 19 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.	
TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP. OF AIR	DEW POINT	WIND			ALTIM. ETER READING	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER	
			SURFACE	LOWER					DIRECTION	SPEED	CHARTER				
SA	0747	E150 BKN	8			159	62	57	14	04		000	FEW ST S-SW/ 60	KLW	
SA	0852	E150 BKN	8			159	63	58	13	04		000	FEW ST DSNT SE-S	KLW	
SA	0954	E150 BKN	8			163	68	59	11	05		001	FEW SC S-W/ 30551530	KLW	
SA	1055	150 -BKN	8			166	68	59	14	09		002	FEW SC	KLW	
SA	0853	E150 BKN	8			166	70	59	15	06		002	FEW SC	KLW	
SA	0953	E150 BKN	8			166	74	60	17	05		002	103 1030 60	KLW	
SA	1048	150 SCT	8			163	78	59	11	05		001		KLW	
SA	1151	E150 BKN	10			156	75	59	18	12		999		KLW	
SA	1244	E150 BKN	8			152	77	58	17	10		998	714 1030	KLW	
SA	1249	E150 BKN	8			146	79	58	19	08		996		ML	
SA	1444	E150 BKN	12			139	81	59	27	09		994		ML	
SA	1554	150 SCT E250 BKN 300 BKN	12			132	77	60	27	08		992	720 1039 82	AD	
SA	1650	170 SCT E250 BKN 300 BKN	14			132	74	56	28	07		992	FEW ALAS NW-E	AD	
SA	1750	170 SCT E250 BKN	15			132	71	54	27	08		992	FEW ALAS N-E	AD	
SA	1857	E170 BKN 250 BKN	20			135	70	56	28	07		993	303 1072	AD	
SA	1948	E170 BKN 250 BKN	12			142	68	57	28	06		995		AD	
SA	2051	E170 BKN	12			149	67	55	28	06		997		AD	
SA	2150	E170 OVC	12			149	68	56	29	06		997	1810VC 114 107 82	AD	
SA	2248	E170 OVC	12			149	67	57	29	05		997	1810VC LAST	AD	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII IR12HVV NddH 1a0TTT 2a0TdTd 3PoPoPoPo 4PPPP 5app 6RRR7 7wwW1W2 8HhCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED. U.S.G.P.O. 1982-0-084-000/0210

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE AUG 20 1987		TO CONVERT LST TO GMT ADD -8 HRS SUBTRACT _____ HRS.	
TYPE 1	TIME 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY Miles 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. Hrs. 6	TEMP. F. 7	DEW PT. F. 8	WIND 9				ALTIMETER SETTING Inches 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	CORRECTION 14
			SURFACE 10	DOWN 11					DIRECTION 10-11 10	SPEED KTS. 11	CHARACTER 12				
SA	0448	160 SCT	10			142	63	58	12	03		995	/ 61		SLW
SA	0555	160 SCT	14			142	62	58	08	05		995			SLW
SA	0651	160 SCT	12			149	67	60	12	06		997	/ 308 1070		SLW
SA	0747	200 SCT	12			149	71	58	11	07		997			SLW
SA	0852	200 SCT	15			156	70	58	16	10		999	/ 1584 LWR SW-NW		SLW
SA	0950	CLR	15			156	72	59	16	07		999	/ FEW CU AC BENT NE-E		SLW
SA	1053	CLR	20			156	74	59	18	10		999	/ 108 1170 61		SLW
SA	1152	CLR	20			152	76	57	18	08		998	/ AC SL N OMTNS CU NE		SLW
SA	1249	300 SCT	15			152	78	57	20	11		998	/ AC SL N AND NE OMTNS		SLW
SA	1344	CLR	20			146	78	59	19	09		996	/ FEW CU AC CI		ML
SA	1449	CLR	20			142	77	60	18	08		995	/ FEW AC CI		ML
SA	1552	CLR	15			135	79	56	14	06		993	/ FEW AC SL CI E-E		AD
SA	1650	CLR	15			135	76	59	29	09		993	/ FEW CI AC SL NW-N		AD
SA	1750	CLR	15			135	73	60	29	08		993	/ FEW AC SL NW-N		AD
SA	1850	CLR	20			139	70	56	28	09		994	/ AC SL N-NE / 303 1040		AD
SA	1948	CLR	20			146	68	56	28	06		996			AD
SA	2048	CLR	15			149	67	56	29	06		997			AD
SA	2149	CLR	12			152	67	57	29	06		998	/ 114 80		AD
SA	2248	CLR	12			156	65	58	32	04		999	/ LAST		AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: IIII IRzHVY NddH 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPp 6RRRr 7wW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (11-82) WHICH MAY BE USED. U.S.GPO:1985-0-604-000-0010

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE AUG 21 1987	TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.
TIME /LST	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP PT F	DEW PT F	WIND			ALTIM ETER SET TIME (GMT)	REMARKS AND SUPPLEMENTAL CODED DATA	OBS COR RECTION (IN)
		STAT	SEA					DIRECT	SPEED	HEAVY			
SA 0447	CLR	12			156	62	57	00	00		999	61	BLW
SA 0553	CLR	12			159	63	58	11	03		000	FEW SC SW-W VSBY LWR BLW NE-SE	BLW
SA 0655	CLR	8			163	68	59	07	03		001	VSBY HIR SW 307	BLW
SA 0752	CLR	8			166	70	58	14	06		002		BLW
SA 0848	CLR	8			166	73	58	17	04		002		BLW
SA 0950	CLR	8			169	74	58	18	09		003	307 61	BLW
SA 1052	CLR	14			166	76	57	19	06		002	VSBY LWR W-N	BLW
SA 1151	CLR	15			163	78	55	17	10		001		BLW
SA 1249	CLR	20			159	79	53	20	09		000	710	ML
SA 1349	CLR	20			159	80	53	17	10		000	LCU DSNT NE	ML
SA 1449	CLR	20			152	82	57	27	08		998	LCU DSNT NE	ML
SA 1551	CLR	20			149	88	54	26	10		997	LCU DSNT NE FEW 1102 813	ML
SA 1646	250 SCT	25			149	76	53	28	12		997	LCU DSNT E	ML
SA 1752	250 SCT	25			149	72	57	24	12		997		ML
SA 1851	250 SCT	25			152	69	52	24	12		998	1303 1002	ML
SA 1946	250 SCT	25			159	67	55	29	08		000		ML
SA 2052	CLR	20			166	66	54	24	06		002		ML
SA 2151	CLR	20			169	67	52	27	10		003	1117 53	ML
SA 2247	CLR	20			173	67	50	28	10		004	LAST	ML

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IRghVV Ndeff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aapp 6RRRr 7wwW1W2 8hCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-008/0010

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)								
SURFACE WEATHER OBSERVATIONS				DATE AUG 22 1987								
				TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS								
TIME 1 2	SKY AND CEILING HUNDREDS OF FEET 3	VISIBILITY MILES 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. INCHES 6	TEMP BY OF 7	DIREC- TION 8	SPEED KTS 9	WIND CHILL 10	ALTIM ETER SET- TING 11	REMARKS AND SUPPLEMENTAL CODED DATA 12	13
		14	15									
SA 0449	CLR	20			176	61	55	00	00	005	/AL DSNT NE-SE 54	AD
SA 0550	CLR	20			183	62	56	27	04	007	/FEW SC S-SW AL DSNT E-SE	AD
SA 0650	CLR	15			180	66	57	34	103	008	/FEW AL DSNT E-SE	AD
											114 1070	
SA 0749	CLR	14			190	69	58	00	00	009		AD
SA 0848	CLR	15			190	74	56	00	00	009	/FEW AL DSNT E-SE	AD
SA 0950	CLR	14			190	74	56	14	05	009	/FEW AL DSNT E-SE	AD
											103 1070 59	
SA 1049	CLR	15			190	77	56	17	08	009		AD
SA 1148	CLR	20			183	80	52	28	10	007	/CI DSNT NW	AD
SA 1249	CLR	25			183	79	51	27	09	006	/CI DSNT NW / G10 1002	AD
SA 1355	CLR	25			173	79	51	28	11	004		AMS
SA 1453	CLR	30			166	78	51	28	14	002		AMS
SA 1551	CLR	35			163	75	51	28	14	001	/719 81	AMS
SA 1650	CLR	35			159	73	51	27	13	000		AMS
SA 1747	CLR	35			159	71	54	27	10	000		AMS
SA 1846	CLR	35			163	68	55	28	11	001	/500	AMS
SA 1947	CLR	30			169	66	56	29	10	003		AMS
SA 2053	CLR	30			173	66	52	28	07	004		AMS
SA 2150	CLR	30			173	64	54	32	06	004	/115 91	AMS
SA 2246	CLR	30			173	65	53	30	06	004	/LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FMR-2, is entered on line following related basic observation.

FM12-VII: IIII IRIHVV NddH 1a TTT 2a Td Td 3P0P0P0P0 4PPPP Supp 6RRRr 7wwW1W2 8NCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A 11-82 WHICH MAY BE USED.

U.S.GPO:1983-0-054-000/0010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE AUG 23 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT
TIME Z	TIME LOCAL	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBS. REDUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. DEW POINT F	WIND			ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
			Surface	Lower				Dir	Speed	Dir			
SA	0449	CLR	30			166	59	55	00	00	002	FEW CI N 59	AD
SA	0548	CLR	15			173	60	55	00	00	004	FEW ST S CI SW-NE	AD
L	0607	CLR	15			160	55	53	08	104	004	FEW ST DWT S CI SW-NE	AD
												(ACFT MIS HP)	
SA	0650	250-SCT	15			176	64	56	09	03	005	110 100 1	AD
SA	0751	250-SCT	14			176	69	55	17	04	005	FEW SC S-SW	AD
SA	0852	250-SCT	14			176	72	54	20	05	005	FEW SC DWT S-SW	AD
SA	0957	250-SCT	14			176	74	57	18	07	005	400 100 1 58	AD
SA	1047	250-SCT	15			176	74	56	18	05	005		AD
SA	1147	250-SCT	20			169	76	53	20	06	003		AD
SA	1249	250-SCT	25			166	77	49	19	09	002	812 100 2	AD
SA	1354	250-SCT	25			156	78	50	18	09	999		RMS
SA	1446	250-SCT	25			152	80	56	26	09	999		RMS
SA	1533	250-SCT	25			167	65	55	26	08	996	714 100 2 91	RMS
SA	1646	250-SCT	25			142	75	56	26	09	999		RMS
SA	1751	250-SCT	25			142	70	55	24	12	995		RMS
SA	1846	250-SCT	30			146	54	27	10		996	1500 100 1	RMS
SA	1955	CLR	30			155	66	56	27	06	998	FEW CI	RMS
SA	2046	CLR	25			159	65	57	30	05	000		RMS
SA	2150	CLR	15			159	65	56	35	05	000	1114 81	RMS
SA	2246	CLR	15			163	63	56	10	03	001	LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FM12-2, is entered on line following related Basic observation.

FM12-VII: IIIII R12HVY NddH 100TTT 200TdTd 3P0P0P0P0 4PPPP 5pppp 6RRRr 7wwW1W2 8MhCLMCh plus regional and national data groups.

SUPERSEDES MP 1-10A (1-43) WHICH MAY BE USED.

U.S.GPO:1983-0-284-025-8210

MP 1-10A (5-83)		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		J. L. DEPARTMENT OF COMMERCE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE AUG 24 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 0 HRS.				
SURFACE WEATHER OBSERVATIONS														
TIME LST	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. F	DEW PT. F	WIND			ALTIMETER SET TIME INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	COR. REMARKS INCHES	
		SURFACE	DOWN					DIRECT	SPEED	CHANGING				
		41	40		5	7	8	9	10	11	12			
SA 0447	0 SCT	8			156.61	57	11	03				999	SCT V BKN / 58	1LW
SP 0506	M12 BKN	8						03	04			999	CIG RGD	2LW
SA 0552	M14 OVC	10			159.62	57	00	00				000	SML BKN OVC TOPS 022	2LW
SP 0610	M15 OVC	10						06	03			000	SML BKN OVC	2LW
SA 0651	M18 OVC	14			163.65	57	14	03				001	307 1511	2LW
SA 0755	M21 OVC	15			166.67	56	15	05				002	SML BKN OVC 0VND TOPS 027	2LW
SA 0853	M22 BKN	15			166.68	56	16	08				002		2LW
SP 0927	25 SCT	15						12	06			002	SCT V BKN	2LW
SA 0950	25 SCT	15			166.70	56	18	08				002	FEW LWR SC SE / 103 1500 58	2LW
SA 1048	18 SCT	15			166.71	57	17	08				002		2LW
SA 1151	CLR	15			163.71	57	14	12				001		2LW
SA 1249	CLR	15			159.71	56	15	10				000	707	2LW
SA 1349	CLR	20			152.72	57	19	10				998		ML
SA 1449	CLR	20			146.71	57	16	07				996		ML
SA 1549	CLR	20			139.71	57	20	06				994	720 72	AD
SA 1649	CLR	20			135.69	58	18	08				993	FEW SC DSNT W	AD
SA 1748	CLR	20			139.68	57	16	08				994	FEW SC DSNT W	AD
SA 1848	CLR	20			139.67	58	16	06				994	FEW SC DSNT W / 500 1500	AD
SA 1950	CLR	15			146.66	58	14	04				996	FEW SC W	AD
SA 2048	CLR	12			152.65	58	13	06				998	SC SW-W AND NE-E	AD
SA 2151	21 SCT	12			156.64	58	15	05				999	117 1500 72	AD
SP 2209	M17 BKN	10						12	06			999		AD
SA 2249	M20 BKN	10			159.64	58	12	04				000	LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FM12-2, is entered on line following related Basic observation.

FM12-VII: IIII RRHHVV Mddff lgtTTT ZgTdTdTd 3PoPoPoPo 4PPPP 5pppp 6RRRrr 7wwW1W2 BhhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1985-0-684-000/0010

MF1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS												DATE: AUG 25 1987									
												TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.									
TIME ZULU	TIME LOCAL	SEA AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. OF AIR	DEW POINT	WIND			ALTIM. FEET	REMARKS AND SUPPLEMENTAL CODED DATA	OBS. CORRECTIONS							
			STATUTE	NAUTICAL					DIRECTION	SPEED KNOTS	CHANGING										
SA 0447		M21 OVC	15			156	65	56	00	00		999	FEW LWR SC / 63	8LW							
SA 0554		M21 OVC	15			159	65	56	13	06		000	TOPS 330	8LW							
SA 0651		M21 OVC	15			163	66	56	13	06		001	210 1511	8LW							
SA 0752		M21 OVC	15			166	67	55	20	05		002	VSBY LWR NE TOPS 330	8LW							
SA 0853		M23 OVC	12			167	68	56	19	05		003	VSBY HIR SW	8LW							
SA 0950		M25 BKN	12			173	70	56	22	07		004	210 1520 63	8LW							
SP 1024		28 SCT	12						16	08		004	SCT V BKN	8LW							
SA 1051		28 SCT	12			169	73	56	22	07		003		8LW							
SA 1148		CLR	15			166	73	55	20	07		002		8LW							
SA 1246		CLR	15			163	72	55	20	10		001	710	8LW							
SA 1350		CLR	15			154	73	56	19	10		000		8LW							
SA 1450		CLR	15			156	73	55	16	10		999		8LW							
SA 1550		CLR	15			149	72	56	17	09		997	FEW SC DINT W / 814 / 500	AD							
SA 1647		CLR	15			146	73	56	28	07		996		AD							
SA 1749		CLR	15			146	70	56	27	10		996	FEW CI W-NW	AD							
SA 1849		CLR	15			149	67	56	28	08		997	CI W-NW / 500 / 1002	AD							
SA 1949		CLR	14			156	65	57	28	06		999		AD							
SA 2050		CLR	10			163	65	57	28	06		001		AD							
SA 2150		CLR	10			166	65	57	30	05		002	115 74	AD							
SA 2249		CLR	8			166	64	57	00	00		002	LAST * FEW SC W	AD							

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related basic observation.

FM12-VII: IIII IR_ghVV NddH 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5sepp 6RRRH 7wwW1W2 8NCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A 11-82 WHICH MAY BE USED.

U.S. GPO: 1985-0-484-028/85710

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DARTCHERTY FIELD)		DATE AUG 26 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.				
SURFACE WEATHER OBSERVATIONS												
TIME 1 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY Miles 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. INCHES 6	TEMP. F 7	DEW POINT F 8	WIND 9		ALTIM. FEET 10	REMARKS AND SUPPLEMENTAL CODED DATA 11	COR. 12
		SURFACE 14	TOWER 15					DIRECT 16	SPEED 17			
SA0447	10 SCT	5		FH	169	62	58	02	03	003	/CIG LWR NE-SE/ 61	2LW
SP0539	510 BKN	5		FH				36	03	004	/BKN V SCT	2LW
SA0551	E12 BKN	4		FH	173	63	59	35	04	004		2LW
SA0653	M13 BKN	4		H	180	65	58	33	03	006	/CIG RG-0/ 310 1500	2LW
SP0740	15 SCT	4		HK				28	03	007		2LW
SA0752	15 SCT	4		HK	183	68	58	24	04	007		2LW
SP0812	M16 BKN	4		HK				28	05	007	/BKN V SCT CIG LWR SE-S	2LW
SA0853	M19 BKN	4		HK	183	70	58	17	08	007	/WIND 15V23	2LW
SA0950	M21 BKN	5		HK	183	71	58	21	08	007	/103 1500 61	2LW
SP1016	20 SCT	6		HK				17	12	007	/VSBY LWR NE	2LW
SA1052	20 SCT	7			183	72	58	21	09	007		2LW
SA1151	CLR	7			176	73	59	18	08	005		2LW
SA1249	CLR	7			169	76	59	17	08	003	/FEW CU CSNT N/ 814 1100	2LW
SA1349	CLR	10			166	78	59	29	11	002	/FEW CU CSNT N	ML
SA1449	CLR	10			159	77	59	29	08	000	/FEW CU CSNT N	ML
SA1550	CLR	7			156	74	59	29	09	999	/HAZY /715 79	RMS
SA1646	CLR	9			150	72	60	26	09	999	/VSBY LWR W	RMS
SA1746	CLR	15			159	71	60	24	09	000		RMS
SA1852	CLR	15			163	68	58	30	05	001	/6L SW-WW H24V/300 150	RMS
SA1947	CLR	10			176	68	60	30	07	005		RMS
SA2048	CLR	8			183	67	60	31	05	007		RMS
SA2150	CLR	7			183	66	60	31	06	007	/119 79	RMS
SA2246	CLR	8			183	66	59	30	06	007	/FEW SC LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII R12HVV Nddff 10TTT 20TdTd 3P0P0P0 4PPPP 5pppp 6F 7wwW1W2 8MhCLCmCH plus regional and national data groups.
SUPERSEDES MP 1-10A11-83 WHICH MAY BE USED. U.S.GPO:1983-0-484-008/8010

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE AUG 27 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS		
SURFACE WEATHER OBSERVATIONS												
TIME /LT	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP AIR DEW POINT SURFACE	WIND			ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	
		STATUTE	NAUTICAL				DIRECTION	SPEED KNOTS	CHANGING			
SA 0447	CLR	7			172.63	58	21	04		004	VSBY LWR NE-SE / 62	2W
SA 0554	CLR	6		H	176.62	58	28	03		005	R LWR ALOFT N-N	2W
SA 0651	C-SCT	5		H	176.65	59	30	05		005	R LWR -SCT / 02	2W
SA 0755	CLR	5		H	173.71	60	27	04		004		2W
SA 0852	CLR	6		H	173.73	60	24	04		004		2W
SA 0950	CLR	7			173.74	60	20	08		004	603 62	2W
SA 1053	CLR	8			169.81	59	35	04		003	FEW CU DSNT N-NE	2W
SA 1148	CLR	10			163.81	59	32	08		001	FEW CU DSNT N-NE	2W
SA 1249	CLR	10			156.82	60	29	09		999	FEW MOT CU N-E / 817	ML
SA 1349	CLR	10			152.79	60	28	13		998	1200	ML
SA 1449	CLR	9			146.78	59	26	12		996	1 MDT CU N-E	ML
SA 1550	CLR	10			142.76	60	28	11		995	1 FEW CU AC N-NE	ML
SA 1646	CLR	9			142.73	59	29	10		995	1 MDT CU N-NE / 815	ML
SA 1750	CLR	8			142.71	60	28	08		995	93	ML
SA 1846	CLR	7			146.68	61	26	05		996	VSRY LWR W	2W
SA 1946	CLR	8			152.69	60	31	04		998	HAZY	2W
SA 2046	CLR	7			163.65	61	02	03		001	1303	2W
SA 2155	CLR	7			163.67	61	17	04		001	1119 83	2W
SA 2247	CLR	7			163.66	62	16	05		001	16AST	2W

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: IIIII IR12hVV NddH 1s0TTT 2s0TdTdD 3P0P0P0P0 4PPPP 5supp 6RRRtr 7wwW1W2 8hh CLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED. U.S.G.P.O. 1983-0-284-000/010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE AUG 26 1987		TO CONVERT LST TO GMT ADD -5 HRS. SUBTRACT _____ HRS.						
SURFACE WEATHER OBSERVATIONS														
TIME (LST)	TYPE	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (inches)	TEMP (°F)	DEW POINT (°F)	WIND DIRECTION (°)	WIND SPEED (Kts.)	WIND GUST (Kts.)	ALTIMETER SETTING (inches)	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION (inches)
			SURFACE	TO WIND										
0452	SA	CLR	2 1/2		FH	14.64	60	28.04	996	/	63		AD	
0548	SA	12-SCT	2 1/2		FH	15.26	61	18.04	998				AD	
0631	SP	-X 9-BKN	2		FX			0000	999	/	FH1		AD	
0650	R SA	-X M9 BKN	2		FH	15.97	62	30.04	000	/	FH1 TOPS 020 / 305 1600		AD	
0724	SP	-X M 10 OVC	2		FH			0000	000	/	FH1		AD	
0745	SA	-X M 11 OVC	2		H	16.37	62	00.00	001	/	H1 FEW TRN SPOTS 1000		AD	
0849	SA	-X M 11 OVC	2		H	16.37	62	16.04	001	/	H1		AD	
0923	SP	-X M 11 BKN	2 1/2		H			16.07	001	/	H1		AD	
0935	SP	-X 11 SCT	2 1/2		H			18.03	001	/	H1		AD	
0950	SA	-X 12 SCT	2 1/2		H	15.97	62	14.05	000	/	H1 / 002 1600 63		AD	
1012	SP	CLR	3		H			20.04	000				AD	
1048	SA	CLR	3		H	15.27	62	19.09	998				AD	
1151	SA	CLR	4		H	14.67	62	18.08	996				AD	
1250	SA	CLR	4		H	13.97	62	18.11	994	/	822		AD	
1349	SA	CLR	6		H	13.27	62	17.12	992	/	MDT CU N-NE		ML	
1444	SA	CLR	8			12.98	63	29.08	991	/	MDT CU N		ML	
1553	SA	CLR	7			12.57	62	31.08	990	/	MDT CU N-NE / 714		RHS	
											1200 82		-	
1649	SA	CLR	7			12.97	61	28.06	991	/	US64 LWR W		RHS	
1740	SA	CLR	7			12.97	62	24.04	991	/	Hazy		RHS	
1853	SA	CLR	7			13.97	62	16.08	994	/	314		RHS	
1915	SA	9 B SCT	6		H			17.08	995				RHS	
1937	SP	7 SCT	5		H			17.10	996	/	1ST INCRG		RHS	
1944	SP	M7 BKN	6		H			18.08	996				RHS	
1953	SA	M7 OVC	6		H	14.66	62	18.08	996	/	BMOVC		RHS	
2053	SA	M7 OVC	6		FH	15.26	62	08.04	999				RHS	
2142	SP	M8 BKN	5		FH			01.04	997	/	BKN OCNLY SCT		RHS	
2153	RS	8 SCT	5		FH	14.96	62	02.04	997	/	SCT BKN 012 1500 82		RHS	
2249	SA	9 SCT	5		FH	14.96	62	18.03	997	/	LAST		RHS	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII R12HVY Nddff 1s0TTT 2s0TdTd 3PoPoPoPo 4PPPP 5app 6RRRr 7wwW1W2 8HhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1985-0-254-850000

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE AUG 29 1987		TO CONVERT LST TO GMT ADD _____ SUBTRACT _____								
SURFACE WEATHER OBSERVATIONS																
TIME /LT	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Inches	TEMP. F	DEW PT. F	WIND DIRECTION Kts	WIND SPEED Kts	WIND GUSTS Kts	WIND SHEAR Kts	WIND SHEAR Kts	WIND SHEAR Kts	WIND SHEAR Kts	REMARKS AND SUPPLEMENTAL CODED DATA	COR. REMARKS (15)
		Surface	Upper													
SA 0451	M 7 OVC	2 1/2		FH	149	66	62	19	04						997 / 65	AD
SP 0532	M 7 OVC	2		FH				19	05						978	AD
SA 0544	M 7 OVC	2		FH	150	66	62	13	04						999 / TOPS 015	AD
SA 0651	4 SCT M 6 OVC	2		FH	163	65	62	16	08						001 / 310 1611	AD
SP 0704	M 4 BKN 6 OVC	2		FH				19	06						001	AD
SP 0740	4 SCT M 5 OVC	2		FH				18	07						001	AD
SA 0748	4 SCT M 5 OVC	2		FH	166	65	62	21	05						002	AD
SP 0824	5 SCT M 6 OVC	2 1/2		FH				18	04						002	AD
SA 0848	5 SCT M 7 OVC	2 1/2		FH	166	66	62	22	03						002	AD
SP 0920	M 8 OVC	3		FH				22	03						003	AD
SA 0950	M 9 OVC	3		FH	169	67	62	18	05						003 / 208 1611 64	AD
SP 1035	M 10 OVC	4		H				16	06						003	AD
SA 1048	M 11 OVC	4		H	169	68	62	19	05						002	AD
SA 1150	M 12 OVC	4		H	166	71	62	15	04						002 / BKNVC HIR CLOS V 53	AD
SP 1215	14 SCT 150 SCT	4		H				18	07						001 / TOPS 022	AD
SA 1251	150 SCT	5		H	159	73	62	19	07						000 / 19 SLY BCN	AD
SA 1355	100 SCT 150 SCT	5		H	156	74	62	17	09						999 / FEW SC ALAS SE-SW /	AD
SA 1451	120 SCT	6		H	149	74	62	17	08						997 / 810 1580	AD
SA 1550	120 SCT	6		H	149	72	62	18	07						997 / CB SE MOVG NW ACCAS	AD
SA 1649	CLR	6		H	149	71	62	18	08						997 / ALQDS	AD
SA 1753	CLR	6		H	149	69	62	19	09						997 / CB SE DISPTD ACCAS	AD
SA 1852	CLR	7			152	68	62	16	05						998 / SW MDT CU N-NE	AD
SA 1947	CLR	7			159	68	61	30	06						000 / MDT CU DSNT N-NE	AD
SA 2048	CLR	7			159	68	61	30	05						000	AD
SA 2150	CLR	7			163	67	61	30	05						001 / 310 74	AD
SA 2254	CLR	6		H	163	67	61	30	03						001 / LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: 1111 1R15HV NddH 1a0TTT 2a0TdTd 3P0P0P0P0 4PPPP 5app 6RRR1R 7ww W2 8N2CLCMCH plus regional and national data groups.
 SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED. U.S.GPO:1985-0-084-0000070

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE AUG 30 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.				
SURFACE WEATHER OBSERVATIONS												
TIME /LST	SKY AND CEILING Hundreds of Feet	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. AIR DEW POINT	WIND			ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
		SEA SURFACE	WIND DIRECTION				WIND SPEED	WIND GUSTS				
SA 0450	M 9 OVC	3		FH	166	66	62	30	03	002	/ 64	AD
SA 0535	M 9 OVC	2 1/2		FH				36	104	002		AD
SA 0547	M 9 OVC	2 1/2		FH	169	66	62	3	105	003		AD
SA 0604	M 9 OVC	2		FH				29	104	003	/ TOPS 618	AD
SA 0650	M 9 OVC	2		FH	173	67	62	03	04	004	/ 307 1611	AD
SA 0747	M 9 OVC	2		FH	176	68	62	26	03	005		AD
SA 0822	-X M10 OVC	2		FH				00	00	005	/ FH 1	AD
SA 0847	-X M11 OVC	2		H	180	70	62	27	04	006	/ H1	AD
SA 0922	-X M13 OVC	2 1/4		H				18	05	006	/ H1 THN S PTS 106C	AD
SA 0938	-X M15 BKN	2 1/4		H				22	07	006	/ H1	AD
SA 0950	-X 16 - BKN	2 1/4		H	180	73	63	25	05	006	/ H1 / 005 1600 64	AD
SA 1006	-X 18 - SCT	3		H				17	04	006	/ H1	AD
SA 1049	-X	3		H	176	75	62	22	10	005	/ H1	AD
SA 1148	CLR	4		H	173	76	62	18	09	004		AD
SA 1253	CLR	5		H	166	82	62	28	08	002	/ FEWCUN CB NE-E /	AD
SA 1351	CLR	8			163	83	61	28	10	001	/ CU DSNT N CB NE-E	BKW
SA 1454	CLR	14			156	80	61	29	08	999	/ CU DSNT N CB NE-E	BKW
SA 1550	CLR	14			156	78	61	26	07	999	/ CB DSNT N-E MOVC NW	BKW
SA 1652	CLR	12			156	76	60	28	07	999	/ CB DSNT N AND NE	BKW
SA 1748	CLR	12			156	72	60	29	10	999	/ CB DSNT N MOVC N	BKW
SA 1849	CLR	12			159	70	61	30	10	000	/ CB DSNT N*CI NE	BKW
SA 1953	CLR	12			166	68	61	30	06	002	/ 303 1903*WV GTC	BKW
SA 2047	CLR	12			169	68	61	30	07	003		BKW
SA 2150	CLR	8			169	67	62	30	06	003	/ FEW ST DSNT W / 110	BKW
SA 2255	SA 12 SCT	6		H	173	66	62	30	05	004	/ LAST	BKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII R12hVY Nddh 10 TTT 20 TdTd 3P0P0P0P0 4PPPP 5pppp 6RRRr 7wwW1W2 BnCLCMCh plus regional and national data groups.
SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED. U.S.G.P.O. 1985-0-084-008/070

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)													
SURFACE WEATHER OBSERVATIONS				DATE AUG 31 1987													
				TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS													
TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Inches)	TEMP (F)	WIND DIR (Deg)	WIND SPEED (Kts)	WIND CHANG (Kts)	WIND GUST (Kts)	WIND SHEAR (Kts)	WIND DIRECTION (Deg)	WIND SPEED (Kts)	WIND GUST (Kts)	WIND SHEAR (Kts)	REMARKS AND SUPPLEMENTAL CODED DATA	OBS CORR (Inches)
		SURFACE	UPPER														
SA 0453	100 SCLT 150 SCLT	7			163.64	60	00	00				001	FEW ALAS 63			AD	
SA 0550	100 SCLT E150 BKN 250 BKN	6		H	169.64	60	33	03				003	ALAS ALGDS VIRGAW-E			AD	
SA 0652	E150 BKN 250 BKN	6		H	173.67	61	31	04				004	ALAS ALGDS FEW MDT CU			AD	
													5-W / 108 1283				
SA 0750	E150 BKN 300 BKN	5		H	176.70	61	28	04				005	ALAS ALGDS FEW MDT CU			AD	
													CU S-W				
SA 0850	E150 BKN 300 BKN	5		HK	173.74	62	29	07				004	VSBY LWR E-S ALAS ALAS			AD	
SA 0951	E150 BKN 300 BKN	6		HK	176.73	60	28	08				005	ALAS ALGDS TCU N-NE			AD	
													1303 1282 63				
SA 1051	150 SCLT E200 BKN 300 BKN	12			169.78	59	24	07				003	TCU N-NE CB DWT NE			AD	
													ALAS S-W				
SA 1150	150 SCLT 200 SCLT 300 SCLT	10			166.82	59	24	06				002	TCU N-NE CB DWT NE-SE			AD	
													ALAS S-W				
SA 1252	80 SCLT 150 SCLT 200 SCLT 300 SCLT	12			163.82	58	29	07				001	LINE CB DWT N-SE ALAS			AD	
													VIRGA S-W / 715 1983				
SA 1350	80 SCLT 130 SCLT 200 SCLT	15			156.80	57	29	08				999	CB DWT N ALAS S			ML	
SA 1444	80 SCLT E120 BKN 200 BKN	15			152.81	58	27	08				998	CB DWT N ALAS SE-S			ML	
SA 1552	80 SCLT E120 BKN 200 BKN	20			156.81	58	26	08				999	CB N-NE ALAS W-N-SE			RLS	
													1507 1983 84				
SA 1653	80 SCLT E120 SCLT 200 SCLT	15			152.78	59	28	08				998	CB N-NE ALAS NW-NE			RLS	
SA 1753	120 SCLT 200-BKN	15			149.74	60	29	10				997	CB N-NE			RLS	
SA 1846	120 SCLT 200-BKN	15			152.70	60	24	09				998	1502 1036			RLS	
SA 1952	150 SCLT 200-BKN	20			159.70	61	28	07				000				RLS	
SA 2050	150 SCLT 250 SCLT	20			163.68	61	28	06				001				RLS	
SA 2148	160 SCLT 250 SCLT	20			163.67	61	30	05				001	1110 1031 84			RLS	
SA 2247	250 SCLT	20			163.67	61	24	04				001	1645			RLS	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: IIII IRIHVV Mdeff 10TTT 20TdTd 3P0P0P0 4PPPP Sappp 6RRRrR 7wwW1W2 BnCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1985-0-084-000-0010

MP 1-102 (10-83)

SUPersedes MF1-100 (1-62) WHICH MAY BE USED.

U.S. GPO 1983-0-794-000-0000

• U.S. GPO: 1983-0-784-225-0000

MF1-108 (10-63)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)												
SURFACE WEATHER OBSERVATIONS												DATE AUG 3 1987				To convert LST to GMT ADD 8 hrs. SUBTRACT 0 hrs.								
TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES- SURE TEND- ENCY	WET BULB CHANGE (In.)	SUM- MERSE (In.)	PREC- IPITATION (In.)	
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER								
							AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT						
00																								
01																								
02																								
03																								
04	79	29.820				1										1								
05	50	29.810				1										1								
06	50	29.820				1	1	AC	140							1	3	.015						
07	49	29.830				0										0								
08	49	29.830				0										0								
09	50	29.830				0	0	AC	140							0	1	.010						
10	79	29.830				1										1								
11	49	29.815				1										1								
12	49	29.795				0	0	TCU	80	0	AC	150	0			0	8	.035						
13	50	29.780				0										0								
14	49	29.760				0										0								
15	51	29.755				0	0	CU	100	0	AC	150	0			0	6	.040						
16	50	29.760				0										0								
17	49	29.760				0										0								
18	52	29.785				0										0	3	.030						
19	52	29.810				0										0								
20	50	29.820				0										0								
21	57	29.830				0										0	1	.045						
22	48	29.830				0										0								
23																								

SYNOPTIC OBSERVATIONS																	
TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (M.P.H.)	STATE OF SKY	1	2	3	4	5	6	7	8	9
01	0747	1	0	0	0	69	65										
	0747	1	0	0	0	69	65										
	0947	1	0	0	0	80	65										
	1549	1	0	0	0	89	77										
	2148	1	0	0	0	84	68										
	2300	1	0	0	0	68	67										

SUMMARY OF DAY (BEGINNING TO ENDING) (2300P TO 2300P)										WEATHER & OBSTRUCTIONS TO VISION									
10-MIN. MAX. TEMP. (°F)	10-MIN. MIN. TEMP. (°F)	10-MIN. PRECIP. WATER EQUIV. (In.)	10-MIN. SNOWFALL WATER EQUIV. (In.)	10-MIN. SNOW DEPTH (In.)	10-MIN. WIND SPEED (M.P.H.)	10-MIN. WIND DIR. (°)	10-MIN. WIND GUST (M.P.H.)	10-MIN. WIND CHILL (°F)	10-MIN. WIND REL. HUMIDITY (%)	10-MIN. WIND WAVE (In.)	10-MIN. WIND WAVE (In.)	10-MIN. WIND WAVE (In.)	10-MIN. WIND WAVE (In.)	10-MIN. WIND WAVE (In.)	10-MIN. WIND WAVE (In.)	10-MIN. WIND WAVE (In.)	10-MIN. WIND WAVE (In.)		
89	65	0	0	0	13	S	1114												

REMARKS (BY AIRCRAFT ONLY) (PILLOT'S REPORT)									
TIME: SUNRISE SUNSET TOTAL CLOUDS: (MIN.) (MAX.) (AVERAGE) PARTIAL CLOUDS: (MIN.) (MAX.) (AVERAGE) TIME CHECK - CLOCK AT: 11:50P ± 0 Sec./ 100P ± 0 Sec./ 100P ± 0 Sec.									

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																				
SURFACE WEATHER OBSERVATIONS				DATE AUG 5 1987																				
				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.																				
TIME (LST)	STATION PRESSURE (In.)	OVR CLOUDS	WV SFC	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES SURE TEND CY	WET SPL CHG (In.)	SUM- MERSE (In.)	PREC- IPITATION (In.)		
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER									
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	50	29.810				10													10					
05	49	29.820				9													9					
06	50	29.830				9	9	SC	MIS										9	1	0.15			
07	49	29.830				6													6					
08	49	29.820				1													1					
09	50	29.820				2	2	AC	140										2	0	0.00			
10	50	29.820				6													5					
11	49	29.810				5													5					
12	49	29.790				3	0	TCU	80	3	AC	140	3						3	8	0.30			
13	53	29.770				2													2					
14	55	29.770				6													6					
15	49	29.770				6	6	AC	E130										6	6	0.20			
16	50	29.775				1													1					
17	51	29.770				2													1					
18	49	29.770				4	1	AC	150	3	K1	250	4						1	0	0.00			
19	46	29.770				0													0					
20	54	29.800				0													0					
21	57	29.810				0													0	1	0.40			
22	47	29.820				0													0					
23																								

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (MPH)	STATE OF SKY	10	11	12	13	14	15	16	17	18
2300	2300	1	0	0	0	70	67	XX	XX								
0447	0447	1	0	0	0	70	67										
0947	0947	1	0	0	0	75	68										
1546	1546	3	0	0	0	79	73										
2150	2150	1	0	0	0	75	69										
2300	2300	1	0	0	0	69	69	XX	XX								

STATION PRESSURE COMPUTATIONS																	
TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)	TIME (LST)
0447	0447	0447	0447	0447	0447	0447	0447	0447	0447	0447	0447	0447	0447	0447	0447	0447	0447
29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820	29.820

SUMMARY OF DAY (2300P TO 2300P)																	
20-HR. WIND DIR. (°)	20-HR. WIND SPEED (MPH)	20-HR. PRECIP. (In.)	20-HR. SNOWFALL (In.)	20-HR. SNOW DEPTH (In.)	20-HR. WIND DIR. (°)	20-HR. WIND SPEED (MPH)	20-HR. PRECIP. (In.)	20-HR. SNOWFALL (In.)	20-HR. SNOW DEPTH (In.)	20-HR. WIND DIR. (°)	20-HR. WIND SPEED (MPH)	20-HR. PRECIP. (In.)	20-HR. SNOWFALL (In.)	20-HR. SNOW DEPTH (In.)	20-HR. WIND DIR. (°)	20-HR. WIND SPEED (MPH)	20-HR. PRECIP. (In.)
67	0	0	0	0	17	5	1446										

WEATHER & OBSTRUCTIONS TO VISION																	
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19

SUNRISE				SUNSET			
TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
05:00	1987	19:00	1987	05:00	1987	19:00	1987

TIME CHECK - CLOCK AT:			
TIME	DATE	TIME	DATE
05:00	1987	19:00	1987

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)														
SURFACE WEATHER OBSERVATIONS												DATE AUG 6 1987				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT _____ hrs.										
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (In.)	WET BULB (In.)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA																TOTAL O. PAQUE SKY COVER	PRES. SURE TEND. EN. (In.)	NET DIAL CHANGE (In.)	SUM- MERSE (In.)	PRECIP- ITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER											
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT						
00																										
01																										
02																										
03																										
04	55	29.810			10													9								
05	56	29.820			9													9								
06	49	29.850			7	7	Ac	150										7	3	.025						
07	51	29.874			2													2								
08	49	29.830			0													0								
09	52	29.830			1	1	Ac	150										1	6	.010						
10	51	29.830			1													1								
11	51	29.825			1													1								
12	50	29.810			1	0	CB	80	1	Ac	160	1	0	CI	200	1		1	8	.020						
13	49	29.800			1													1								
14	49	29.790			1													1								
15	52	29.790			1	0	CU	80	1	Ac	160	1	0	CI	250	1		1	6	.020						
16	50	29.790			1													1								
17	50	29.785			1													1								
18	52	29.800			2	0	Ac	180	2	CI	300	2						2	3	.010						
19	50	29.820			2													1								
20	49	29.830			2													1								
21	50	29.835			1	1	CI	300										0	1	.035						
22	50	29.840			2													2								
23																										

SYNOPTIC OBSERVATIONS																STATION PRESSURE COMPUTATIONS						
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (In.)	WIND SPEED (In.)	STATE OF SKY	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0430			0	0	0	69	68															
0443			0	0	0	69	68															
0450			0	0	0	80	68															
1548			0	0	0	81	76															
2147			0	0	0	77	69															
2300			0	0	0	69	68															

SUMMARY OF DAY OBSERVATIONS TO OBSERVER (2300P TO 2300P)																WEATHER & OBSTRUCTIONS TO VISION						
24-HR. WIND DIR. (In.)	24-HR. WIND SPEED (In.)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WIND T.O. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND DIR. (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND SPEED (In.)
81	68	0	0	0	16	5	1338															

TIME: SUNRISE				SUNSET			
TOTAL DURATION (MIN.)	PERCENT OF DURATION	CHARACTER OF DURATION	CHARACTER OF DURATION	TOTAL DURATION (MIN.)	PERCENT OF DURATION	CHARACTER OF DURATION	CHARACTER OF DURATION
FACTORY OBSERVED WINDS AND SPEEDS	ON FACTORY WINDS	FACTORY WINDS	FACTORY WINDS	FACTORY OBSERVED WINDS AND SPEEDS	ON FACTORY WINDS	FACTORY WINDS	FACTORY WINDS
TIME CHECK - CLOCK AT: 0500P @ 1 Sec. 0430P @ 1 Sec. 1600P @ 1 Sec.							

SP=				RS=			
-----	--	--	--	-----	--	--	--

ALL S.GED 1000-0 704-000-0000

MP-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																							
SURFACE WEATHER OBSERVATIONS				DATE AUG 9 1987 To convert LST to GMT ADD ____ hrs. SUBTRACT ____ hrs.																							
CLOUDS AND OBSCURING PHENOMENA																											
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER			SECOND LAYER			SUM- MATION TOTAL	THIRD LAYER			SUM- MATION TOTAL	FOURTH LAYER			TOTAL SKY COVER	PRES- SURE CORRECTION (In.)	WIND DIRECTION (true)	WIND SPEED (kts)	VISI- BILITY (mi.)	PRECI- PITATION (In.)		
						AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT		AMT	TYPE	HEIGHT		AMT	TYPE	HEIGHT								
00																											
01																											
02																											
03																											
04	29.890				10																10						
05	29.890				10																9						
06	29.900				10	10	SC	M9													10	3	.010				
07	29.900				10																10						
08	29.810				0																0						
09	29.890				0	0	AC	150													0	6	.010				
10	29.840				0																0						
11	29.890				0																0						
12	29.880				0	0	CI	250													0	8	.010				
13	29.860				1																0						
14	29.830				1																0						
15	29.810				0	0	CU	80													0	7	.070				
16	29.800				0																0						
17	29.800				0																0						
18	29.810				0	0	CI	250													0	5	.000				
19	29.820				0																0						
20	29.840				0																0						
21	29.845				0																0	1	.035				
22	29.860				0																0						
23																											

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRESIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA. TEMP. (°F)	AIR TEMP. (°F)	STATE OF HEAVEN	10	11							

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)										
SURFACE WEATHER OBSERVATIONS												DATE AUG 10 1987				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.						
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SEA COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE BY COVER	PRES- SURE TEND- ENCY	NET DRAIN- AGE (In.)	SUN- SHINE (In.)	PRE- CIPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT								
00																						
01																						
02																						
03																						
0455	24.82				0										0							
0546	24.825				0										0							
0649	24.830				0	0	SC	11							0	1	.015					
0749	24.895				0										0							
0846	24.900				0										0							
0954	24.905				0										0	2	.015					
1050	24.900				0										0							
1146	24.895				0										0							
1247	24.880				0										0	8	.025					
1350	24.870				0										0							
1449	24.840				0										0							
1550	24.840				0	0	SC	11							0	6	.020					
1652	24.830				0										0							
1754	24.830				0										0							
1851	24.840				0	0	ST	12	0	AC	140	0			0	5	.000					
1953	24.860				0										0							
2055	24.880				0										0							
2150	24.890				0										0	1	.040					
2249	24.890				0										0							
23																						

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF SKY	10	11	12	13	14	15	16	17	18
2300	0500	43	0	0	0	69	65										
0455	1055	1	0	0	0	69	65										
0649	1249	2	0	0	0	74	65										
0846	1446	3	0	0	0	82	73										
1050	1650	4	0	0	0	82	69										
1247	1847	5	0	0	0	69	68										
1449	2049	6	0	0	0	69	68										

STATION PRESSURE COMPUTATIONS									
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF SKY	10
2300	0500	43	0	0	0	69	65		
0455	1055	1	0	0	0	69	65		
0649	1249	2	0	0	0	74	65		
0846	1446	3	0	0	0	82	73		
1050	1650	4	0	0	0	82	69		
1247	1847	5	0	0	0	69	68		
1449	2049	6	0	0	0	69	68		

SUMMARY OF DAY (REQUIRED TO MEMORANDUM) (2300P TO 2300P)									
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (Kts)	24-HR. WIND DIRECTION (°)	24-HR. TIME (LST)	24-HR. ICE WATER (In.)	24-HR. STATE OF SKY
82	65	0	0	0	15	S	1255		

WEATHER & OBSTRUCTIONS TO VISION									
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
02	03	04	05	06	07				

TIME: SUNRISE				SUNSET			
TOTAL DURATION	MIN.	PERCENT OF POSSIBLE DURATION	CHARACTER OF SKY	TOTAL DURATION	MIN.	PERCENT OF POSSIBLE DURATION	CHARACTER OF SKY
FASTEST OBSERVED WINDSPEED	MPH	OR FASTEST KTS	MPH	FASTEST OBSERVED WINDSPEED	MPH	OR FASTEST KTS	MPH

TIME CHECK - CLOCK AT: 1500P ± 0 Sec. 1 0430P ± 0 Sec. 1 1600P ± 0 Sec.			
AFT MISHAP - NOTIFIED BY TWR AT 1427P K.I.			
ITEM ALPHA: C140: N89293, ITEM BRAVO: TAXIWAY B: 1422P 8/10/87			
ITEM CHARLIE: AIRCRAFT WAS FLIPPED OVER BY JET BLAST			
2 ON BOARD NO INJURIES			
SP=			
RS=			

MF1-108 (10-83)										U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS										DATE AUG 11 1987										To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT _____ hrs.									
TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O. PAKET CHG. BY COVER	PRES. SURE CHG. BY IN.	NET S.M. CHG. (In.)	SUR- FACE WIND (Kts.)	PRE- CIPITATION (In.)						
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER													
AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	SUM- MATION TOTAL	AMT.	TYPE	HEIGHT	SUM- MATION TOTAL	AMT.	TYPE	HEIGHT	SUM- MATION TOTAL	AMT.	TYPE	HEIGHT	SUM- MATION TOTAL											
00																													
01																													
02																													
03																													
04	24.440					4									4														
05	24.800					10									10														
06	24.45					10	10	SC	MI						10	1	.045												
07	24.820					8									7														
08	24.202					4									4														
09	24.920					0	0	SC	15						0	1	.005												
10	24.925					0									0														
11	24.910					0									0														
12	24.960					0									0	8	.020												
13	24.885					0									0														
14	24.860					0									0														
15	24.860					0	0	SC	12						0	6	.040												
16	24.860					0									0														
17	24.860					0									0														
18	24.870					0	0	SC	13	0	AC	140	0		0	3	.010												
19	24.880					0									0														
20	24.900					0									0														
21	24.910					0									0	1	.040												
22	24.910					0									0														
23																													

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA. TEMP. (°F)	WIND TEMP. (°F)	STATE OF SKY	10	11	12	13	14	15	16	17	18
0450	0450	1	0	0	0	68	65	X	X								
0450	0450	1	0	0	0	69	65										
0450	0450	1	0	0	0	74	66										
1548	1548	1	0	0	0	83	73										
2148	2148	1	0	0	0	82	67										
2300	2300	1	0	0	0	67	67	X	X								

STATION PRESSURE COMPUTATIONS																	
TIME (LST)	TIME (GST)	TIME (UTC)	TIME (GMT)														
0450	0450	1245	1549														
ATT. THERM.																	
SEA. SURF.																	
TOTAL COR.																	
SEA. PRESS.																	
WIND COR.																	
SEA. COR.																	

SUMMARY OF DAY (2300P TO 2300P)																	
SEAS AND WIND										WATER SURFACE							
WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND
0450	0450	0450	0450	0450	0450	0450	0450	0450	0450	0450	0450	0450	0450	0450	0450	0450	0450

WEATHER OBSTRUCTIONS TO VISION																	
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED												
01	02	03	04	05	06												

TIME CHECK - CLOCK AT:																	
0300P	±0 Sec.	0430P	±0 Sec.	1600P	±0 Sec.												

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MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																			
SURFACE WEATHER OBSERVATIONS										DATE AUG 13 1987										To convert LST to GMT ADD 8 hrs. SUBTRACT _____ hrs.											
TIME (L.S.T.)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA																TOTAL OBSCURING COVER (%)	PRES. TENDENCY (In.)	PRES. CHANGE (In.)	WIND DIRECTION (In.)	WIND SPEED (In.)	WIND GUST (In.)	PRECIPITATION (In.)		
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER			FIFTH LAYER												
							AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT										
00																															
01																															
02																															
03																															
04	57	29.855				10																10									
05	49	29.875				10																10									
06	46	29.880				10	10	SC	M12													10	3	.025							
07	53	29.890				10																10									
08	52	29.890				10																10									
09	48	29.895				10	4	SC	12	6	SC	M16	10									10	1	.015							
10	46	29.895				10																10									
11	46	29.890				10																10									
12	47	29.870				9	9	SC	M20													9	8	.025							
13	49	29.860				9																9									
14	49	29.850				9																9									
15	52	29.830				10	0	SC	15	10	SC	M13	10									10	8	.040							
16	48	29.810				10																10									
17	61	29.810				10																10									
18	50	29.810				10	10	SC	M20													10	6	.020							
19	57	29.820				10																10									
20	47	29.820				10																10									
21	52	29.820				10	2	SC	12	10	SC	M17	10									10	1	.010							
22	48	29.810				10																10									
23																															

SYNOPTIC OBSERVATIONS																	
TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRES. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (In.)	WIND GUST (In.)	STATE OF SKY	1	2	3	4	5	6	7	8
2300	2300	1	0	0	0	66	65										
0455	0455	1	0	0	0	66	65										
1455	1455	2	0	0	0	70	66										
1548	1548	3	0	0	0	74	70										
2148	2148	4	T	0	0	71	67										
2300	2300	5	T	0	0	67	65										

SUMMARY OF DAY (MINIMUM TO MAXIMUM) (2300P TO 2300P)																	
24-HR. WIND DIR. (°)	24-HR. WIND SPEED (In.)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND DIR. (°)	24-HR. WIND SPEED (In.)	24-HR. WIND GUST (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND GUST (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND GUST (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND GUST (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND GUST (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND GUST (In.)
64	67	0	0	0	15	5	170										

WEATHER AND OBSTRUCTIONS TO VISION																	
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED												
1-2142	CONT																
F-2230	CONT																

REMARKS, WINDS AND MISCELLANEOUS PHENOMENA																	
TIME: SUNRISE _____ SUNSET _____ TOTAL SKY COVER (In.) _____ PERCENT OF HORIZON _____ CHARACTER OF SKY _____ FASTEST OBSERVED _____ OR FASTEST _____ AGGREGATE _____ TIME CHECK - CLOCK AT: 0434P ±0 Sec./1600P ±0 Sec./2200P ±0 Sec.																	

MF1-108 (10-83)

SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-784-008/808

RU S GEO 1953-0784-008-008

MP1-108 10-831		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE AUG 15 1987										To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.									
TIME (LST)		STATION PRESSURE (In.)	DPT BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES. TEND- ENCY (In.)	WET BULB GAGE (In.)	SURF. WIND (Kts.)	PREC- IPITATION (In.)						
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER													
							AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT											
00																													
01																													
02																													
03																													
04	55	29.895				9																							
05	50	29.915				8																							
06	51	29.935				7	2	CU	15	5	SC	E45	7																
07	46	29.940				6																							
08	50	29.950				6																							
09	50	29.960				4	3	CU	15	1	SC	50	7																
10	55	29.960				3																							
11	57	29.940				2																							
12	46	29.925				2	2	CU	20																				
13	54	29.920				3																							
14	49	29.910				2																							
15	50	29.900				0	0	SC	25																				
16	53	29.900				0																							
17	51	29.900				0																							
18	48	29.910				0	0	SC	20																				
19	52	29.920				0																							
20	47	29.930				0																							
21	50	29.940				0																							
22	55	29.940				0																							
23																													

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	MO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF SKY	1	2	3	4	5	6	7	8	9
01	2308																
	0130	X	0	0	0	67	65	X									
	0450	1	0	0	0	67	65										
	0945	2	0	0	0	72	66										
	1548	3	0	0	0	77	72										
	2148	4	0	0	0	76	65										
	2300	X	0	0	0	65	64	X									

SUMMARY OF DAY (2200 TO 2300)												WEATHER & OBSTRUCTIONS TO VISION							
SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	SOIL TEMP. (°F)	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED		
77	64	0	0	0	18	SW	1555												

REMARKS WITH ANY NECESSARY PHENOMENA											
TIME: SUNRISE SUNSET TOTAL CLOUDS (Inches) CHARACTER OF CLOUDS PARTIAL CLOUDS (Inches) CHARACTER OF CLOUDS TIME CHECK - CLOCK AT: 0500P 0940P 1600P 01 Sec.											

MP1-108 (10-83)

SUPERSEDES MP1-108 (10-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-784-008/008

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE AUG 16 1987										To convert LST to GMT ADD 8 hrs. SUBTRACT _____ hrs.									
TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SEA- LEVEL COVER	CLOUDS AND OBSCURING PHENOMENA																TOTAL O- PAQUE SEA- LEVEL COVER	PRES- SURE TEND- ENCY	NET D-HAL- CHANGE (In.)	SUM- MER- TIME (In.)	PREC- IPITATION (In.)		
							LOWEST LAYER				SECOND LAYER				THIRD LAYER				FOURTH LAYER										
							AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT											
00																													
01																													
02																													
03																													
04	58	29.96				0														0									
05	56	29.975				0														0									
06	48	29.98				0	0	SC	15										0	3	0.035								
07	51	29.96				0														0									
08	52	30.60				0														0									
09	48	29.99				0	0	SC	15											0	0	0.010							
10	54	29.980				0														0									
11	46	29.960				0														0									
12	38	29.945				0														0	8	0.045							
13	53	29.930				0														0									
14	51	29.920				0														0									
15	50	29.910				0	0	SC	14											0	7	0.035							
16	47	29.915				0														0									
17	54	29.920				0														0									
18	52	29.930				1	1	SC	15											1	2	0.020							
19	49	29.950				0														0									
20	48	29.960				0														0									
21	50	29.970				0	0	SC	12											0	2	0.040							
22	55	29.970				2														2									
23																													

SYNOPTIC OBSERVATIONS															
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND DIRECTION	STATE OF SKY	SEA- STATE	WIND TEMP. (°F)	WIND DIRECTION	SEA- STATE	WIND TEMP. (°F)	WIND DIRECTION	SEA- STATE
01	05	1	0	0	0	65	60	XX	XX						
04	05	1	0	0	0	65	60								
07	05	1	0	0	0	75	59								
10	05	1	0	0	0	81	73								
13	05	1	0	0	0	76	65								
16	05	1	0	0	0	65	64	XX	XX						

STATION PRESSURE COMPUTATIONS															
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND DIRECTION	STATE OF SKY	SEA- STATE	WIND TEMP. (°F)	WIND DIRECTION	SEA- STATE	WIND TEMP. (°F)	WIND DIRECTION	SEA- STATE
01	05	1	0	0	0	65	60	XX	XX						
04	05	1	0	0	0	65	60								
07	05	1	0	0	0	75	59								
10	05	1	0	0	0	81	73								
13	05	1	0	0	0	76	65								
16	05	1	0	0	0	65	64	XX	XX						

SUMMARY OF DAY (2300P TO 2300P)															
NO.	WIND TEMP. (°F)	WIND DIRECTION	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)	WIND SPEED (KTS)
81	59	0	0	0	0	18	S	1308							

WEATHER & OBSTRUCTIONS TO VISION															
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED										

REMARKS, NOTES AND SPECIAL INSTRUCTIONS															
TIME: SUNRISE SUNSET TOTAL CLOUDS (MIN.) PERCENT OF POSSIBLE CHARACTER OF CLOUDS QUANTITY OF CLOUDS FACTORY OBSERVED OR FACTORY SPECIAL SPECIAL SPECIAL TIME CHECK - CLOCK AT: 059 01 sec. 0930 01 sec. 1600 P 02 sec.															

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
SURFACE WEATHER OBSERVATIONS												DATE AUG 17 1987				To convert LST to GMT ADD -8 hrs. SUBTRACT hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA																PRES- SURE TEND- ENCY (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	PRECI- PITATION (In.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER			TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05

94 S. GPO: 1983-0-79-000000

J176

U.S. GPO 1983-0-754-000-0000

2025 RELEASE UNDER E.O. 14176

U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)											
SURFACE WEATHER OBSERVATIONS										DATE 8-22 AUG 22 1987 To convert LST to GMT ADD - 8 hrs. SUBTRACT _____ hrs.											
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA															
						LOWEST LAYER			SECOND LAYER			SUMMATION TOTAL	THIRD LAYER			SUMMATION TOTAL	FOURTH LAYER			TOTAL OBSERVED SKY COVER	PRESSURE TENDENCY CY
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT		AMT	TYPE	HEIGHT		AMT	TYPE	HEIGHT	INCHES	DIR
00																					
01																					
02																					
03																					
04 49	30.016				0													0			
05 50	30.030				0													0			
06 50	30.040				0	C AC	150											0			
07 49	30.045				0													0			
08 48	30.050				0													0			
09 50	30.050				0	C AC	150											0			
10 49	30.056				0													0			
11 48	30.025				0													0			
12 49	30.020				0	C CI	250											0			
13 55	29.945				0													0			
14 53	29.952				0													0			
15 51	29.965				0													0			
16 50	29.960				0													0			
17 47	29.955				0													0			
18 46	29.965				0													0			
19 47	29.980				0													0			
20 50	30.000				0													0			
21 50	30.000				0													0			
22 46	30.006				0													0			
23																					

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	MO.	PRECP. (in.)	SNOW FALL (in.)	SNOW DEPTH (in.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF CLOUDS	SEA SURFACE	SEA SWELL	SEA BASE	SEA TOP	SEA DIR.	SEA SPR.	SEA WAVE	SEA PERIOD	SEA HEAVY
01	2300	AUG	0	0	0	67	59	X	X					X			
02	0447	1	0	0	0	67	59										
03	0947	2	0	0	0	75	60										
04	1545	3	0	0	0	81	74										
05	2146	*	0	0	0	75	66										
06	2300	X	0	0	0	66											

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE AUG 23 1987										To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.									
CLOUDS AND OBSCURING PHENOMENA																													
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID- ITY (%)	TOTAL CLOUD COVER	LOWEST LAYER				SECOND LAYER				THIRD LAYER				FOURTH LAYER				TOTAL CLOUD COVER	PRES- SURE TEND- ENCY (In.)	DET BULB CHANGE (In.)	WIND DIRECTION (In.)	WIND SPEED (In.)	PRES- CIPITATION (In.)		
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41				
00																													
01																													
02																													
03																													
04	49	29.980			0															0					01				
05	48	30.000			0															0					02				
06	50	30.010			1	1	C1	250												0	1	.030			03				
07	51	30.010			2															1					04				
08	52	30.010			2															1					05				
09	51	30.010			2	2	C1	250												1	4	.022			06				
10	47	30.005			2															1					07				
11	47	29.990			1															1					08				
12	49	29.975			1	1	C1	250												1	8	.035			09				
13	54	29.960			1															1					10				
14	46	29.935			1															1					11				
15	53	29.920			2	2	C1	250												2	2	.055			12				
16	46	29.910			2															2					13				
17	51	29.910			3															2					14				
18	46	29.920			2	2	C1	250												1	5	.000			15				
19	55	29.935			0															0					16				
20	46	29.960			0															0					17				
21	50	29.960			0															0	1	.040			18				
22	46	29.965			0															0					19				
23																									20				

SYNOPSIS OBSERVATIONS																					
TIME (LST)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND TEMP. (°F)	STATE OF SKY	10	11	12	13	14	15	16	17	18	19	20	21	22
01	2300	1	0	0	0	66	59	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
02	0447	1	0	0	0	66	59	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
03	0747	1	0	0	0	74	58	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
04	1545	1	0	0	0	81	73	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
05	2145	1	0	0	0	76	64	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
06	2300	1	0	0	0	65	63	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

SUMMARY OF DAY (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION									
WIND DIR.	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED	WIND GUST	WIND SPEED
01	58	0	0	0	15	5	1153														

REMARKS (WIND, WAVE, SWELL, CLOUDS, PRECIPITATION, etc.)																					
TIME SUNRISE												TIME SUNSET									
TOTAL CLOUDS (In.)												PERCENT OF POSSIBLE CLOUDING									
FACTORY OBSERVED WINDS AND PRESS.												FACTORY OBSERVED WINDS AND PRESS.									
TIME CHECK - CLOCK AT: 0500P ± 0 Sec./100.0												TIME CHECK - CLOCK AT: 1531P ± 0 Sec./100.0									
AIR CRAFT MISMAP NOTIFIED BY TWR AT 0605P																					
ITEM ALPHA: 9144 T C; ITEM BRAVO: 25L 0557P 8/23/87																					
ITEM CHARLIE: RAN OFF END OF RUNWAY. 4 ON BOARD NO INJURIES.																					
SP=																					
RS=																					

• U.S. GPO: 1983-0-754-000-0000

WFO 1-100 (90-03)

SUPERSEDES MP1-100 (1-82) WHICH MAY BE USED.

• U S GPO 1983-0-784-008/0000

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)												
SURFACE WEATHER OBSERVATIONS															DATE AUG 26 1987					To convert LST to GMT ADD <u>7</u> hrs. SUBTRACT <u> </u> hrs.				
TIME (LST)	STATION PRESSURE (In.)	DRY BULB TEMP. (F)	WET BULB TEMP. (F)	REL. HUMID. (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SCT COVER	PRES- SURE TEND- ENCY	WIND CHANG- E (In.)	WIND SPEED (In.)	PRE- CIPITATION (In.)		
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER									
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT										
00																								
01																								
02																								
03																								
04	47	30.060			4											4								
05	51	30.050			7											5								
06	53	30.050			9	9	SC	M13								9	3	.030						
07	52	30.050			5											4								
08	53	30.050			8											8								
09	50	30.050			8	8	SC	M21								6	1	.010						
10	52	30.030			3											3								
11	51	30.010			0											0								
12	49	29.990			0	0	Cu	60								0	8	.040						
13	49	29.975			0											0								
14	49	29.960			0											0								
15	50	29.945			0											0	7	.045						
16	46	29.950			0											0								
17	46	29.955			0											0								
18	52	29.970			0	0	SC	11								0	3	.025						
19	47	30.005			0											0								
20	48	30.025			0											0								
21	50	30.025			0											0	1	.055						
22	46	30.030			0											0								
23																								

SYNOPTIC OBSERVATIONS															STATION PRESSURE COMPUTATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (F)	WIND DIRECTION (F)	STATE OF SKY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	0500	1	0	0	0	64	61																									
	0544	1	0	0	0	65	61																									
	0548	1	0	0	0	71	62																									
	1545	1	0	0	0	79	71																									
	2145	1	0	0	0	74	66																									
	2300	1	0	0	0	66	65																									

SUMMARY OF DAY (2300P TO 2300P)															WEATHER & OBSTRUCTIONS TO VISION																			
WIND TEMP. (F)	WIND DIRECTION (F)	WIND SPEED (In.)	WIND GUST (In.)	WIND CHANG- E (In.)	WIND SPEED (In.)	WIND DIRECTION (F)	WIND SPEED (In.)	WIND GUST (In.)	WIND CHANG- E (In.)	WIND SPEED (In.)	WIND DIRECTION (F)	WIND SPEED (In.)	WIND GUST (In.)	WIND CHANG- E (In.)	WIND SPEED (In.)	WIND DIRECTION (F)	WIND SPEED (In.)	WIND GUST (In.)	WIND CHANG- E (In.)	WIND SPEED (In.)	WIND DIRECTION (F)	WIND SPEED (In.)	WIND GUST (In.)	WIND CHANG- E (In.)	WIND SPEED (In.)	WIND DIRECTION (F)	WIND SPEED (In.)	WIND GUST (In.)	WIND CHANG- E (In.)	WIND SPEED (In.)	WIND DIRECTION (F)	WIND SPEED (In.)	WIND GUST (In.)	WIND CHANG- E (In.)
79	61	0	0	0	15	W	1315																											

TIME: SUNRISE					TIME: SUNSET				
TIME	MIN.	SEC.	CHARACTER OF RAIN	CHARACTER OF SUNSET	TIME	MIN.	SEC.	CHARACTER OF RAIN	CHARACTER OF SUNSET
0500P					1530P				

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1530P @ 1 Sec.				
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MF1-108 (10-83)

SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/008

MF1-108 (10-83)										U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																			
SURFACE WEATHER OBSERVATIONS																				DATE AUG 27 1987										To convert LST to GMT ADD <u>5</u> hrs. SUBTRACT <u> </u> hrs.									

TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES- SURE TEND- ENCY	KEY SMB CHANGE (In.)	SUN- SHINE (In.)	PRE- CIPITATION (In.)	
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER								
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	47	30.000				0														0				
05	54	30.010				0														0				
06	51	30.010				2	2	K	10											1	1	.005		
07	55	30.000				0														0				
08	52	30.000				0														0				
09	50	30.000				0														0	6	.20		
10	53	29.990				0														0				
11	48	29.970				0														0				
12	49	29.950				0	0	CU	80											0	8	.050		
13	49	29.940				0														0				
14	49	29.920				0														0				
15	50	29.905				0	0	CU	80											0	8	.045		
16	46	29.905				0														0				
17	50	29.910				0														0				
18	46	29.915				0														0	3	.010		
19	46	29.940				0														0				
20	46	29.970				0														0				
21	55	29.970				0														0	1	.055		
22	47	29.970				0														0				
23																								

SYNOPTIC OBSERVATIONS																				
TIME (LST)	TIME (GMT)	NO.	PRES.	SNOW FAL.	SNOW DEPTH	WIND TEMP.	WIND DIR.	STATE OF SKY	SEA	WAVE	WIND	WAVE	WIND	WAVE	WIND	WAVE	WIND	WAVE	WIND	WAVE
01	0600	41	0	0	0	66	62	X	X	X	X	X	X	X	X	X	X	X	X	X
	0444	1	0	0	0	66	62													
	0948	1	0	0	0	76	62													
	1545	1	0	0	0	83	74													
	2145	1	0	0	0	76	67													
	2300	X	0	0	0	67	66	X	X	X	X	X	X	X	X	X	X	X	X	X

SUMMARY OF DAY (2300P TO 2300P)										WEATHER & OBSTRUCTIONS TO VISION										
WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND
23	62	0	0	0	0	17	W	1457												

TIME: SUNRISE										SUNSET									
TOTAL										TOTAL									
FACTORY OBSERVED										FACTORY OBSERVED									
TIME CHECK - CLOCK AT: 0500P										TIME CHECK - CLOCK AT: 0500P									

MF1-108 (10-83)

SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/008

* U S GPO: 1983-0-754-022-5700

[illegible]

SUPERSEDES MF1-100 (1-82) WHICH MAY BE USED.

• U S GPO: 1983-0-754-008-5000

U.S. GPO 1953-0-754-073-0000

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)											
SURFACE WEATHER OBSERVATIONS										DATE AUG 8 1987 To convert LST to GMT ADD -8 hrs. SUBTRACT 0 hrs.													
CLOUDS AND OBSCURING PHENOMENA																							
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER			TOTAL O-PAQUE SKY COVER	PRES. SURF. TEND- EN- (In.)	NET SURF. CHANG- (In.)	SUN- SHINE (In.)	PRECI- PITATION (In.)	
						AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT						
00																							
01																							
02																							
03																							
04	53	29.970			3													3					
05	50	29.970			8													8					
06	52	30.000			7	0	CU	80	7	ALAS	E/50	7	0	CI	250	7		7	1.025				
07	50	30.000			6													6					
08	50	30.000			7													7					
09	51	30.010			8	0	TCU	80	8	ALAS	E/50	8	0	CI	300	8		8	3.010				
10	51	29.990			7													7					
11	50	29.980			3													3					
12	52	29.965			3	1	CB	80	2	ALAS	150	3	0	AC	200	3	0	CI	300	3	7.045		
13	50	29.950			5													5					
14	49	29.935			6													6					
15	52	29.945			7	2	CB	80	4	ALAS	E/10	6	1	CI	200	7		6	5.025				
16	53	29.940			4													3					
17	53	29.930			6													3					
18	46	29.940			8	1	AC	120	7	CS	200	8						2	5.005				
19	52	29.955			7													3					
20	50	29.965			4													3					
21	48	29.970			5	3	AC	150	2	CI	250	5						3	1.030				
22	47	29.970			2													2					
23																							

SYNOPTIC OBSERVATIONS																				
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA. TEMP. (°F)	WIND TEMP. (°F)	STATE OF SKY	11	12	13	14	15	16	17	18	STATION PRESSURE COMPUTATIONS			
00	0400	1	0	0	0	66	63										TIME L.S.T.	0949.1546 2146		
01	0450	1	0	0	0	67	63										AVG. THERM.			
02	0547	1	0	0	0	75	63										SEA. BAR.			
03	0645	1	0	0	0	84	73										TOTAL COR.			
04	0745	1	0	0	0	82	67										SEA. TEMP.	20.00 24.945 29.970		
05	0845	1	0	0	0	82	67										SEA. DEPTH	30.020 29.955 29.970		
06	0945	1	0	0	0	68	67										SEA. COR.	-0.010 -0.010 0		

SUMMARY OF DAY (2300P TO 2300P)										WEATHER & OBSTRUCTIONS TO VISION									
SEA. WIND (Kts)	SEA. WIND (Kts)	SEA. WIND (Kts)	SEA. WIND (Kts)	SEA. WIND (Kts)	SEA. WIND (Kts)	SEA. WIND (Kts)	SEA. WIND (Kts)	SEA. WIND (Kts)	SEA. WIND (Kts)	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
04	05	06	07	08	09	10	11	12	13	H	0530	1040	H	0530	1040				
04	05	06	07	08	09	10	11	12	13	K	0830	1040							

TIME CHECK - CLOCK AT: 0500P ±0 Sec./1000P ±0 Sec./2130P ±0 Sec.									
SP=									
RS=									

U.S. GPO 1981-0-214-001-000

U S GPO 1983-0-784-002/5025

U.S. GPO 1974-75-000-000

MP1-100 (10-03)

~~SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED.~~

2 U S GPO 1983-0-784-000-0000

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																			
SURFACE WEATHER OBSERVATIONS												DATE SEP 6 1987										To convert LST to GMT ADD 8 hrs. SUBTRACT									
TIME (LST)		STATION PRESSURE (In.)	DRT BULB 2P	WET BULB 2P	REL HUMID- ITY	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE DEPT COVER	PRES- SURE TEND- ENCY	DET DIAL CHANGE (In.)	SUR- FACE WIND (In.)	PREC- IPITATION (In.)								
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER															
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT											
00																															
01																															
02																															
03																															
04	57	24.910				0																									
05	50	24.915				0																									
06	48	24.930				0																									
07	46	24.935				0																									
08	51	24.940				0																									
09	44	24.940				0																									
10	50	24.935				0																									
11	49	24.930				0																									
12	44	24.910				0																									
13	46	24.885				0																									
14	46	24.870				0																									
15	51	24.865				0																									
16	48	24.860				0																									
17	49	24.865				0																									
18	49	24.880				0																									
19	50	24.900				0																									
20	47	24.920				0																									
21	51	24.925				0																									
22	48	24.930				0																									
23																															

SYNOPTIC OBSERVATIONS																	
TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (In.)	WIND SPEED (In.)	STATE OF SKY	1	2	3	4	5	6	7	8	9
2300	2300	1	0	0	0	66	60										
2400	2400	1	0	0	0	66	60										
0100	0100	1	0	0	0	76	60										
0200	0200	1	0	0	0	84	75										
0300	0300	1	0	0	0	77	68										
0400	0400	1	0	0	0	68	66										

SUMMARY OF DAY (G.M.T. TO G.M.T.) (2300P TO 2300P)												STATION PRESSURE COMPUTATIONS					
24-HR. WIND SPEED (In.)	24-HR. WIND DIR. (In.)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND DIR. (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND DIR. (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND DIR. (In.)	24-HR. WIND SPEED (In.)	TIME (L.S.T.)	24-HR. WIND SPEED (In.)	24-HR. WIND DIR. (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND DIR. (In.)	
84	60	0	0	0	15	W	1516					2441	1548	2149			

WEATHER & OBSTRUCTIONS TO VISION											
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED						
1	2	3	4	5	6						

TIME: SUNRISE												SUNSET											
TOTAL CLOUDS						PERCENT OF FOGIBLE CLOUDS						CHARACTER OF SUNSET						CHARACTER OF SUNSET					
PARTIAL CLOUDS						ON PARTIAL CLOUDS						ON PARTIAL CLOUDS						ON PARTIAL CLOUDS					
TIME CHECK - CLOCK AT: 0430P ± 1 Sec. / 1600P ± 1 Sec. /												TIME CHECK - CLOCK AT: 0430P ± 1 Sec. / 1600P ± 1 Sec. /											

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)												
SURFACE WEATHER OBSERVATIONS															DATE SEP 7 1987					To convert LST to GMT ADD 8 hrs. SUBTRACT _____ hrs.				
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (In.)	WET BULB (In.)	REL. HUMIDITY (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL OBSCURING BY COVER	PRES. TENDENCY (In.)	NET 3-HR. CHANGE (In.)	SUN- SHINE (In.)	PRE- CIPITATION (In.)		
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER									
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT										
00																								
01																								
02																								
03																								
04 47	29.910				0										0									
05 50	29.930				0										0									
06 48	29.930				0										0	2	0.15							
07 54	29.925				0										0									
08 53	29.920				0										0									
09 50	29.920				0										0	6	0.10							
10 51	29.910				0										0									
11 55	29.890				0										0									
12 49	29.870				1	1	CI	250							1	7	0.50							
13 55	29.840				0										0									
14 46	29.820				1										0									
15 52	29.815				2	2	CI	250							0	6	0.55							
16 53	29.810				7										2									
17 53	29.820				8										2									
18 40	29.820				7	7	CI	15250							4	1	0.25							
19 46	29.845				4										0									
20 46	29.860				4										0									
21 74	29.860				7	7	CI	250							2	1	0.40							
22 46	29.865				7										2									
23																								

SYNOPTIC OBSERVATIONS															STATION PRESSURE COMPUTATIONS					
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (In.)	WIND SPEED (In.)	STATE OF SKY	1	2	3	4	5	6	7	8	TIME (LST)	29.99	15.48	2.46
01	2300	0	0	0	0	67	61	0	0	0	0	0	0	0	0	0	0	29.99	15.48	2.46
02	0444	1	0	0	0	68	61	0	0	0	0	0	0	0	0	0	0			
03	0948	2	0	0	0	80	61	0	0	0	0	0	0	0	0	0	0			
04	1545	3	0	0	0	84	78	0	0	0	0	0	0	0	0	0	0	29.92	15.45	2.46
05	2145	4	0	0	0	81	70	0	0	0	0	0	0	0	0	0	0	29.92	15.45	2.46
06	2300	5	0	0	0	70	68	0	0	0	0	0	0	0	0	0	0	29.92	15.45	2.46

SUMMARY OF DAY (2300P TO 2300P)															WEATHER & OBSTRUCTIONS TO VISION					
20-HR. WIND DIR.	20-HR. WIND SPEED	20-HR. PRECIP. WATER EQUIV.	20-HR. SNOWFALL UNITS	20-HR. SNOW DEPTH	20-HR. WIND DIR.	20-HR. WIND SPEED	20-HR. PRECIP. WATER EQUIV.	20-HR. SNOWFALL UNITS	20-HR. SNOW DEPTH	20-HR. WIND DIR.	20-HR. WIND SPEED	20-HR. PRECIP. WATER EQUIV.	20-HR. SNOWFALL UNITS	20-HR. SNOW DEPTH	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
04	61	0	0	0	15	W	1715								H	0530	1705	K	0740	1705

REMARKS, WINDS AND MISCELLANEOUS PHENOMENA									
TIME: SUNRISE					TIME: SUNSET				
TOTAL CLOUDS (In.)					PERCENT OF FOGGABLE SKY				
FAVORABLE OBSERVED WINDS AND SPEED					FAVORABLE OBSERVED WINDS AND SPEED				
TIME CHECK - CLOCK AT: 0500P					TIME CHECK - CLOCK AT: 01 Sec./1200P				
TIME CHECK - CLOCK AT: 01 Sec./1530P					TIME CHECK - CLOCK AT: 01 Sec.				
SP=									
RS=									

U.S. GPO: 1983-0-784-000-0000

U S G P O 1983-0-784-008-8070

MP 1-100 (10-02)

SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED.

• U S GPO: 1983-0-784-008/2000

STATION

LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE _____

SEP 11 1987

To convert LST to GMT

ADD 5 hrs. SUBTRACT

hrs

[illegible]

SYNOPTIC OBSERVATIONS

[illegible]

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT) (2300P TO 1300P)

[illegible]

9. MARK ROY AND HIS ISLANDS

TIME		SUNRISE		SUNSET	
TOTAL DURATION	(MIN.)	PERCENT OF POSSIBLE DURATION	CHARACTER OF SUNRISE	CHARACTER OF SUNSET	
FASTER OBSERVED DURATION AND SPEED	N/A	OR FASTER RATE	N/A	AGGREGATE EFFECTION	TIME

TIME CHECK - CLOCK AT: 0540 6/ Sec. 1000 f ④ / Sec. 1 ± Sec.

✓ LAST OF SEVERAL OCCURRENCES

SP=

RS=

[illegible]

* U S G P O 1983-0-784-005-0000

8 U.S.G. 950 10010-714-01100

STAY ON

LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE SEP 1 1987

TO CONVERT LST TO GMT
+ 00 8

1400 8 hrs SUBTRACT

TIME POST		SKY AND CEILING Hundreds of Feet 31	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. OF AIR DEW POINT SURFACE	WIND			ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA 18	OTHER NOTES 19
			PLACE	POWER				DIRECTION OF WIND SPEED KTS	DIRECTION OF WIND SPEED KTS	DIRECTION OF WIND SPEED KTS			
SA1447		E150 BKN 300 BKN	7			152.6	62	30	04	998	/ 14	82W	
SA1553		E150 BKN 300 BKN	6		H	152.6	62	31	04	998	/ VIRGA SE-SW	82W	
SA1654		150 SCT E300 BKN	5		HK	152.7	63	26	05	998	/ VIRGA SE-SW-NW / 4038	82W	
											1073		
SA1748		150 SCT E300 BKN	5		HK	152.7	62	28	06	998	/ TBY LWR W-NW	82W	
SA1851		-X 150 SCT 300 SCT	4		HK	150.8	62	10	03	999	/ HKI ACAS JHD	82W	
SA1953		-X 80 SCT 150 SCT 300 SCT	4		HK	152.8	62	20	07	998	/ HKI TCN DSNT N/O	82W	
											1272 04		
SA1052		30 SCT 50 SCT 300 SCT	5		HK	149.9	62	26	07	997	/ CB DSNT N MOVG NW	82W	
											TCU NW-NE AND E		
SA1151		80 SCT 150 SCT 300 SCT	6		HK	146.9	59	29	04	996	/ CB DSNT N MOVG NW	82W	
											TCU NW-NE MET CUE		
SA1249		80 SCT 150 SCT 300 SCT	7			139.9	58	27	08	994	/ CB DSNT NW-N AND E	82W	
											MORG NW RUN E/S		
											1963		
SA1349		80 SCT 150 SCT 200 SCT	10			132.9	57	29	11	992	/ CB NW-E	ML	
SA1449		80 SCT 150 SCT 200 SCT	15			129.8	57	28	10	991	/ CB N-E	ML	
SA1552		80 SCT 150 SCT 200 SCT	15			125.8	50	26	12	990	/ CB N-NE/GHY 1463	ML	
											47		
SA1651		80 SCT 150 SCT 200 SCT	15			125.8	52	31	09	990	/ LA TGY N-NE	ML	
SA1750		80 SCT 150 SCT 200 SCT	15			122.8	56	29	09	989	/ LAE TCU E-SE	ML	
SA1846		80 SCT 150 SCT 250 SCT	15			122.8	56	31	07	989	/ LAE 1805 1963	ML	
SA1946		250 SCT	15			129.7	60	14	07	991	/ Few AC	ML	
SA2046		150 SCT 250 SCT	15			129.7	60	29	07	991		ML	
SA2150		150 SCT	15			132.7	61	28	03	992	/ 110 1030 97	ML	
SA2247		E150 BKN	15			129.7	60	27	05	991	/ LAST	ML	

A synaptic observation using WM0 code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Ilii RighVV Nddff 1g_nTTT 2g_nTdTdTd 3P_oP_oP_oP_o 4PPPP 5pppp 6RRRr 7w=|W2 8MhCLCMCH plus regional and national date groups.

SUPERSEDES MF 1-10A(1-8) WHICH MAY BE USED.

* U.S. GPO 1983-0-484-028/0010

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		
DATE SEP 2 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT		
SURFACE WEATHER OBSERVATIONS				
TIME ZULU	SKY AND CEILING Number of clouds SI	VISIBILITY Miles SURFACE TOWER	WEATHER AND OBSTRUCTIONS TO VISION	
SEA LEVEL PRESS INCHES	TEMP F	DEW PT F	WIND DIRECTION SPEED KNOTS	
ALTITUDE FEET	WIND DIRECTION SPEED KNOTS	WIND DIRECTION SPEED KNOTS	REMARKS AND SUPPLEMENTAL CODED DATA	
SA 0447	E 40 BKN	7	122 71 63 10 03 989	CB DSNT NE MOVG N 8LW
SA 0552	E 20 BKN	12	122 70 63 16 03 984	CCA - LTCICCG / 69
SA 0653	100 SCT E 130 BKN	12	122 75 64 13 03 984	CB NW NE AND S MOVG 8LW
SA 0752	100 SCT 130 SCT	6	123 82 62 32 03 990	CB S AND NW MOVG NW 8LW
SA 0843	100 SCT 130 SCT	6	125 87 62 00 00 990	CB NE MOVG NW TCU 8LW
SA 0950	100 SCT 130 SCT 300 SCT	6	125 91 65 13 06 990	CB AND TCU N ACAS 8LW
SA 1052	30 SCT 300 SCT	6	125 85 63 16 10 990	CB NW MOVG W ACAS 8LW
SA 1151	130 SCT 300 SCT	5	122 92 62 26 03 989	ALQCS KCP SE
SA 1249	80 SCT 130 SCT 300 SCT	7	115 94 62 20 05 987	CB NW MOVD NW ACAS 8LW
SA 1349	20 SCT 130 SCT	13	112 89 58 27 13 986	NE-E AND S-SW
SA 1449	80 SCT 130 SCT	15	105 89 58 29 09 984	NW TCU N-NE / 810 1963
SA 1550	20 SCT 130 SCT	15	102 85 56 28 11 983	LCB NW - E
SA 1646	20 SCT 130 SCT	15	102 85 59 27 04 983	LCB NW - NE
SA 1747	130 SCT	15	105 82 58 18 08 984	LCB NW - NE
SA 1848	CLR	20	115 72 63 15 10 987	FEW AC / 314 1030
SA 1952	CLR	20	122 69 65 15 08 989	FEW AC
SA 2046	CLR	15	129 69 64 14 04 991	
SA 2149	CLR	12	129 70 64 16 05 991	115 95
SA 2246	CLR	12	135 69 65 17 04 993	LAST

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

FM12-VII: 1111 1012HVV NddH 100TTT 20TdTd 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A11-62 WHICH MAY BE USED. U.S.G.P.O. 1983-0-084-0000070

MP 1-10A 5-831		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 3 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 0 HRS.	
SURFACE WEATHER OBSERVATIONS									
TIME /LST	SKY AND CEILING Number of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mb	TEMP DB	WIND DIR SPEED KTS	WIND CHANGING IN KTS	WIND GUSTS KTS	REMARKS AND SUPPLEMENTAL CODED DATA
SA 0447	M8 OVC	6	H	135.64	65	14	05	993	/CIG RG-D/ 68 BZW
SA 0554	M9 OVC	5	H	139.64	64	16	04	994	/CIG RG-D TOPS 515 BZW
SP 0618	M10 OVC	5	H			13	04	995	/CIG RG-D BZW
SA 0652	M11 OVC	6	H	142.70	63	19	03	995	/SML BINOVC/ 107 1011 BZW
SA 0748	M12 BKN	6	H	142.72	63	13	05	995	/BKN V SGT BZW
SP 0802	13 SGT	6	HK			14	05	995	BZW
SA 0853	CLR	6	HK	142.75	65	15	05	995	BZW
SA 0950	CLR	6	HK	142.76	65	18	06	995	/MBT CU N-NE/ 400 BZW
									1200 68
SA 1053	CLR	7		142.76	64	19	08	995	/TCU DSNT NW MBT CU BZW
									N-NE
SA 1151	10 SGT 60 SGT	8		139.75	64	15	10	994	/MBT CU DSNT NW AND BZW
									N-NE
SA 1235	8 SGT 60 SGT	8				16	12	994	/8 SGT V BKN MBT BZW
									CU DSNT NW-NE WUC
									13V21 TOPS OF ST LAYER
									012
SA 1249	9 SGT E60 BKN	8		139.73	64	18	12	994	/9 SGT V BKN CB DSNT BZW
									NW MBT CU N-NE/ 603
									1900
SA 1330	M10 BKN 60 BKN	8				18	12	994	/CB DSNT NW ML
SA 1349	M11 BKN 60 BKN	8		135.72	63	19	11	993	/CB DSNT N-NE ML
SP 1422	11 SGT 60 SGT	8				17	09	992	/CB DSNT N-NE ML
SA 1444	11 SGT 60 SGT	8		134.72	62	18	09	991	/CB DSNT N-NE ML
SA 1551	11 SGT 60 SGT	8		125.71	62	18	10	990	/CB DSNT N-NE/ 715 1300 77
									715 1300 77
SA 1649	11 SGT 60 SGT	7		125.69	62	17	09	990	/CB NE MB
SA 1748	11 SGT E150 BKN	7		129.68	62	17	09	991	/ST INCRG MB
SP 1755	M10 BKN 150 BKN	7				17	09	992	/MBT V SGT 10 MB
SA 1849	M11 OVC	8		132.68	62	14	08	992	1207 1611 MB
SA 1946	M11 OVC	8		139.68	62	14	07	994	MB
SA 2046	M13 OVC	9		149.68	61	15	08	997	MB
SA 2124	M16 OVC	10				14	10	997	MB
SA 2152	M16 OVC	10		152.68	60	14	08	998	/120 1511 77 MB
SA 2246	M18 OVC	10		149.68	61	11	04	997	/LAST MB

FM12-VII: 1111 1212HVY Mddff 10TTT 20TdTd 3P0P0P0P0 4PPPP 5app 6RRR1r 7wwW1W2 8NCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-000-0070

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE SEP 4 1987	
				TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 12 HRS	
TIME 1 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY Miles 4 5	WEATHER AND OBSTRUCTIONS TO VISION 6	SEA LEVEL PRESS. INCHES 7 8	WIND DIRECTION DEGREES 9 10 SPEED KNOTS 11 12 HARD KNOTS 13
SA 0447	17 SCT	8		135 67 60	17 04 993 / 67 2LW
SA 0553	17 SCT 140 -BKN	7		135 67 61	15 04 993 / K140 -BKN 2LW
SA 0648	17 -BKN	7		139 68 61	15 03 994 / 303 1500 2LW
SP 0654	M17 BKN	7			18 03 994 2LW
SA 0751	M17 BKN	7		142 71 61	16 04 995 2LW
SP 0820	17 SCT	6	H		32 03 995 2LW
SA 0851	100 -SCT	6	H	142 73 61	30 03 995 / K100 -SCT 2LW
GA 0950	100 -SCT	6	H	139 78 62	27 03 994 / K100 -SCT / 000 07 2LW
SA 1052	100 -SCT	6	H	135 78 62	18 09 993 / SML CU DSNT N OMTNS 2LW
SA 1153	100 -SCT	7		132 79 62	19 10 992 / SML CU DSNT NE OMTNS 2LW
SA 1250	100 -SCT	7		125 81 62	20 07 990 / K100 -SCT / 814 ML
SA 1349	100 -SCT	7		119 83 59	18 09 988 / K100 -SCT TCU DSNT E ML
SA 1444	CLR	6	HK	112 81 58	21 09 986 / CU DSNT E ML
SA 1553	CLR	5	HK	115 78 59	27 05 987 / VSBY 2WRW MDT CU DSNT AD
SA 1650	CLR	4	HK	115 74 62	29 09 987 SE / 512 1200 83 AD
SA 1748	CLR	4	HK	119 71 62	28 10 988 AD
SA 1850	CLR	5	HK	125 68 61	29 09 990 / VSBY HIRE ST DSNT W / AD
SA 1950	CLR	5	HK	129 66 61	30 06 991 / VSBY HIRE AD
SA 2051	CLR	5	HK	135 66 60	30 05 993 / ST DSNT SW-W AD
SP 2124	M 11 OVC	5	HK	66 60	31 04 994 / B1 OVC AD
SA 2151	M 11 OVC	5	HK	139 66 60	30 05 994 / THN SPOTS / OVC AD
SA 2250	M 11 OVC	5	HK	139 67 60	04 03 994 / LAST AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R12HV NddH 1a TTT 2a TdTdTd 3PoPoPoPo 4PPPP 5app 6RRRr 7wwW1W2 8MhCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED. U.S. GPO: 1985-0-285-008/8010

MP 1-10A (3-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 5 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT				
SURFACE WEATHER OBSERVATIONS												
TIME FLY	TIME Z	SKY AND CEILING (Hundreds of Feet)	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP OF AIR DEW POINT	WIND		ALTIM ETER SETTING	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
			SMALLER	LARGER				DIRECT SPEED KTS	DIR RECT SPEED KTS			
0000	0000	M 1500	8			135.66	58	14	05	993	165	AMS
0100	0100	M 1600	8			139.66	58	20	03	994	1NMRS SML BNUVC	AMS
0200	0200	M 16 BKN	10			136.65	59	12	04	996	1310 1500	AMS
0300	0300	M 17 BKN	13			136.65	59	12	03	996		AMS
0400	0400	1950	13					13	04	997	15LT ONLY BKN	AMS
0500	0500	CLR	13			149.71	54	18	04	997	1FEW SC	AMS
0600	0600	CLR	14			149.75	60	24	08	997	1105 65	AMS
0700	0700	CLR	15			146.76	60	22	09	996		AMS
0800	0800	CLR	15			142.76	60	14	08	995		AMS
0900	0900	CLR	15			139.75	60	22	10	994	1710	AMS
1000	1000	CLR	15			132.76	60	20	10	992		AMS
1100	1100	CLR	15			129.74	57	22	09	991		AMS
1200	1200	CLR	5		HK	125.78	55	28	11	990	1530 HIR E/714 80	AD
1300	1300	CLR	5		HK	125.74	59	28	10	990		AD
1400	1400	CLR	5		HK	129.70	60	28	09	991		AD
1500	1500	CLR	6		HK	132.67	60	29	07	992	1K LAYER BNT W-WW/	AD
1600	1600	CLR	6		HK						305	
1700	1700	CLR	6		HK	139.66	59	28	06	994		AD
1800	1800	CLR	8			146.66	57	31	06	996		AD
1900	1900	CLR	10			146.66	56	34	05	996	1114 80	AD
2000	2000	CLR	10			146.64	58	34	05	996	1 LAST	AD

FM12-VII: Iltt: RghVY Nddh 1a TTT 2a Td Td 3P o P o P o P o 4 P P P P 5a p p p 6 R R R R 7a W W 2 B N C L C M C H plus regional and national data groups.

SUPERSEDES MP 1-10A 1-83 WHICH MAY BE USED.

U.S.GPO:1985-0-084-008/0010

[illegible]

FM12-VII: Iiii iRghVV Nddff 1_{nn}TTT 2_{nn}TdTdTd 3P_oP_oP_oP_o 4PPPP 5_{pppp} 6RRRr 7_{www}W1W2 8_hCLCMCH plus regional and national data groups.

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE SEP 8 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u>0</u> HRS.	
TIME FLST 2	SKY AND CEILING Hundred Feet 31	VISIBILITY Miles 41 40	WEATHER AND OBSTRUCTIONS TO VISION 4	SEA STATE 5	TEMP 5	DEW PT 5	WIND				ALTITUDE FEET 100	REMARKS AND SUPPLEMENTAL CODED DATA 18	CORRECTION 19		
							DIRECTION 00-90 90-180 180-270 270-360	SPEED KTS 1 2 3 4 5 6 7 8 9 10	WAVE HEIGHT 1 2 3 4 5 6 7 8 9 10	PERIOD 1 2 3 4 5 6 7 8 9 10					
SA1444	250 -BKN	4	FW		129	64	62	22	00		991	/ 63	82W		
SA1555	250 -SCT	4	FW		129	65	62	22	03		991		82W		
SA1651	-X 250 SCT	3	HK		132	68	61	01	03		992	/ HK1 / 205 1001	82W		
SA1753	-X	4	HK		135	74	59	00	00		993	/ HK1	82W		
SA1848	-X	4	HK		137	76	57	05	04		994	/ HK1	82W		
SA1950	-X	4	HK		142	83	56	12	05		995	/ HK1 / 210 63	82W		
SA1055	CLR	5	HK		139	83	59	18	09		994		82W		
SA1156	CLR	5	HK		135	83	60	17	09		993		82W		
SA1249	CLR	5	HK		132	83	59	18	10		992	/ 710	82W		
SA1349	CLR	6	HK		132	83	59	19	12		992		82W		
SA1449	CLR	8			125	83	61	17	11		990		82W		
SA1549	250 SCT	8			122	84	60	27	07		989	/ 710 1002 82W	82W		
SA1644	250 SCT	13			125	85	55	30	08		990		82W		
SA1744	250 SCT	15			125	74	57	30	08		990		82W		
SA1855	250 SCT	15			129	74	59	29	08		991	/ 367 1001	82W		
SA1946	250 SCT	10			135	71	61	27	06		993		82W		
SA2047	CLR	8			142	71	64	30	04		995	/ FEW CI VSBY LWR W	82W		
SA2150	CLR	5	H		146	70	64	00	00		996	/ 115 28	82W		
SA2246	CLR	6	H		149	69	62	26	06		997	/ LAST	82W		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII RghVV Nddff 10TTT 20TdTd 3P0P0P0P0 4PPPP 5pppp 6RRRrr 7wwW1W2 8hhCLCmCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-0000010

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE SEP 9 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.	
TIME ZULU	SKY AND CEILING Number of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP OF AIR	DEW POINT	WIND			ALTITUDE FEET	REMARKS AND SUPPLEMENTAL CODED DATA	OR REMARKS		
		Surface	Upper					Direction	Speed	Direction					
SA1047	-X E250 OVC	3		FH	149	65	62	17	03		997	/FH2/ 64	2RW		
SA1053	-X 200 SCT E250 OVC	3		FH	152	66	62	34	03		998	/FH2	2RW		
SA1061	-X 200 SCT E250 OVC	2 1/2		FH				32	04		999	/FH2 VSBY W-NW	2RW		
SA1065	-X 180 SCT E250 BKN	2 1/2		FH	159	67	62	14	03		000	/FH2 VSBY SW-NW2/ 310	2RW		
SA1072	-X 180 SCT E250 BKN	2 1/2		HK	159	72	63	22	04		000	/HK2	2RW		
SA1081	-X 180 SCT 250 SCT	2 1/2		HK	159	76	63	30	04		000	/HK2	2RW		
SA1091	-X 180 SCT 250 SCT	3		HK				00	00		001	/HK1 ACCAS W	2RW		
SA1095	-X 180 SCT	3		HK	163	82	61	02	03		001	/HK1 ACCAS NW/ 103	2RW		
SA1055	-X 180 SCT	3		HK	163	80	64	15	08		001	/HK1 ACCAS SW-NW	2RW		
SA1148	180 SCT	5		HK	159	88	62	25	09		000	/VIRGA OVRD-W	2RW		
SA1249	160 SCT	10			156	89	54	25	09		999	/ACCAS AND VIRGA W-N	2RW		
SA1349	160 SCT 200 SCT	12			152	84	56	29	12		998	/ACCAS N	ML		
SA1449	160 SCT 200 SCT	12			149	84	56	27	12		997	/ACCAS ALQDS	ML		
SA1552	160 SCT 200 SCT	12			146	81	55	27	13		996	/ACCAS ALQDS / 710 103 190	AD		
SA1602	160 SCT 200 SCT	12			142	81	51	26	11		995	/FEW ALQDS CUE-SE	AD		
SA1748	CLR	14			142	77	53	29	08		995	/FEW AC	AD		
SA1848	CLR	15			146	74	55	31	06		996	/FEW AC / 500 107C	AD		
SA1948	CLR	14			156	73	54	28	08		999	/FEW AC	AD		
SA2050	CLR	14			159	72	56	29	05		000	/FEW AC	AD		
SA2150	CLR	12			159	69	58	30	07		000	/114 90	AD		
SA2250	CLR	10			159	68	59	27	06		000	/LAST	AD		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII IRIHVV MddH 1nTTT 2nTdTdTd 3PoPoPoPo 4PPPP 5sepp 6RRRr 7wwW1W2 8HhCLCMCH plus regional and national data groups.

SUPERSEDES MP1-10A (1-68) WHICH MAY BE USED.

U.S.G.P.O.: 1983-0-084-008/010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 10 1987		TO CONVERT LST TO GMT ADD -8 Hrs. SUBTRACT _____ Hrs.				
SURFACE WEATHER OBSERVATIONS												
TIME ZST	SKY AND CEILING Hundreds of Feet	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL TEMP.	DEW PT.	WIND		ALTIM. SEV.	REMARKS AND SUPPLEMENTAL CODED DATA	OBS. CORR. (10)	
		SURFACE	LOWER				DIR.	SPEED				
1	2	3	4	5	6	7	8	9	10	11	12	
SA 0447	250 - SCT	8			147	63	59	00	00	997	63	PLW
SA 0554	250 - BKN	6		H	152	64	59	06	04	998		PLW
SA 0652	E 250 BKN	5		H	152	67	59	36	03	998	103 1008	PLW
SA 0755	250 - BKN	5		HK	152	70	61	11	05	998		PLW
SA 0849	E 180 BKN 250 BKN	6		HK	152	73	62	07	04	998		PLW
SA 0950	E 180 BKN 250 BKN	6		HK	156	74	62	17	08	999	322 1038 62	PLW
SA 1048	E 90 BKN 250 BKN	7			152	75	62	20	10	998		PLW
SA 1151	E 180 BKN 250 OVC	7			146	75	61	15	10	996		PLW
SA 1244	E 160 BKN 250 OVC	7			139	77	62	16	09	994	815 1072	ML
SA 1344	E 160 BKN 250 BKN	3			135	77	62	16	07	993		ML
SA 1444	60 SCT E 250 BKN	10			125	83	54	26	08	990	9	ML
SA 1552	160 SCT 250 SCT	12			122	80	56	26	08	989	718 1072 83	AD
SA 1649	250 SCT	14			119	79	55	27	08	988	FEW BL	AD
SA 1750	200 SCT 300 SCT	15			119	74	58	28	09	988		AD
SA 1850	CLR	14			119	71	57	27	10	988	FEW CI / 502 1002	AD
SA 1949	CLR	10			125	69	59	27	05	990		AD
SA 2050	CLR	10			129	68	60	28	03	991	FEW CI	AD
SA 2152	CLR	8			125	67	60	05	03	990	007 83	AD
SA 2253	CLR	8			122	66	60	06	05	989	LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related Basic observation.

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 11 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.			
SURFACE WEATHER OBSERVATIONS													
TIME FLST	TYPE	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mb	TEMP. °F	DEW PT. °F	WIND		ALTIM. ETER INCH	REMARKS AND SUPPLEMENTAL CODED DATA	OR REMARKS
			STATUTE	NAUTICAL					DIRECTION	SPEED			
045	SA	M1500	7			112.68	61	12.09			986	164	1115
054	SA	M1600	7			112.68	60	14.05			986	164L RUCVC	1115
064	SA	M1900	9			115.68	60	12.06			987	1303 1511	1115
075	SA	M1600	8			114.49	60	14.05			988		1115
085	SA	M14 BKN	10			112.70	59	20.07			989	TOPS 023	1115
097	SP	1950	10					11.06			989	1950 U BKN	1115
109	SA	1450	12			122.72	60	14.05			988	1105 1500 64	1115
105	SA	CLR	13			114.73	60	17.11			988	1FEW SC	1115
115	SA	CLR	12			112.74	60	17.08			986		1115
125	SA	CLR	12			112.75	60	19.08			986	608	1115
134	SA	CLR	12			108.75	60	19.09			985		1115
144	SA	CLR	10			102.74	61	19.09			983		1115
152	SA	CLR	8			098.73	62	18.08			982	1FEW CI / 715 1001 75	AD
164	SA	CLR	8			095.72	61	18.08			981	1FEW CI	AD
174	SA	CLR	8			095.71	61	18.05			981	1FEW CI	AD
184	SA	CLR	8			098.70	61	30.06			982	500	AD
195	SA	CLR	8			102.67	61	15.05			983		AD
204	SA	CLR	8			105.66	61	14.06			984	SC E-S	AD
212	SP	M13 BKN	8					17.05			985		AD
214	SA	M13 OVC	8			105.67	61	14.04			984	108 1611 75	AD
222	SP	M15 OVC	8					18.04			984		AD
224	SA	M19 OVC	8			105.68	60	13.06			984	LAST	AD

FM12-VII: 1111 1R12HV NddH 10aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPp 6RRR17 7wwW1W2 8HhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-284-000/070

WFO-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE SEP 12 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u>0</u> HRS.	
TIME (Z)	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP OF AIR °F	DEW POINT °F	WIND			ALTIM ETER SETTING (INCHES)	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION (INCHES)	
			Surface	Upper					Direction	Speed	Direction				
0456		M2000	13			108.6	58	15.06			985	166			
0548		M2300	13			105.67	58	14.05			984				
0640		E3000	13					11.06			986				
0753		E3200	12			112.68	58	13.06			986	1312 1511			
0849		23 SCT E3200	15			112.67	59	14.04			986				
0950		23 SCT E3200	15			115.69	57	14.08			987				
1050		25 SCT E3500	15			119.70	56	14.08			986	1507 V BKN / 307 1511 1611			
1147		25 SCT E3500	15			115.71	57	11.10			987	1507 V BKN			
1150		30 SCT E1800	15			112.72	58	11.12			986				
1246		30 SCT E2000	15			105.72	58	16.15	20		984	1812 1507			
1355		E32 BKN 120 BKN 250 OVC	15			105.71	57	14.15			984	FEW LWR CU WND 11V.8			
1451		20 SCT E32 BKN 120 BKN 250 OVC	15			105.70	58	15.12			984				
1550		20 SCT 32 SCT 250 -BKN	15			105.69	59	15.10			984	802 1808 73			
1652		18 SCT E40 BKN	15			105.68	59	18.08			984				
1754		18 SCT E42 OVC	15			105.67	58	16.07			984				
1847		18 SCT E32 OVC	15			105.67	57	16.07			984	02 1511			
1953		19 SCT M35 OVC	15			112.67	58	14.06			986				
2048		19 SCT M35 OVC	15			112.67	58	13.05			986				
2150		19 SCT M35 OVC	15			112.67	59	14.06			986	SCT V BKN / 107 1511			
2224		M18 BKN 35 OVC	15					13.05			986	73 CIG RG-D			
2249		M18 BKN 35 OVC	12			115.67	59	11.04			987	CIG RG-D LAST			

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1814 HVV NddH 18 TTT 28 Td Td 3P0P0P0P0 4PPPP 5app 6RRRr 7wwW1W2 8N1CLMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S. GPO: 1983-0-684-028/070

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 13 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT			
SURFACE WEATHER OBSERVATIONS													
TIME ZULU	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mb	TEMP °F	DEW °F	WIND			ALTIM ETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	
		STATUTE	NAUTICAL					DIRECTION	SPEED KTS	WAVE HEIGHT FT			
0200Z	E 4000	13			1256	56	23	01			990	165	AMS
0205Z	30 SCT E 4000	13			1326	56	23	05			992	180000 SCT 4000	AMS
0210Z	30 SCT E 4500	13			1356	57	23	04			993	180000 SCT 4500	AMS
0215Z	20 SCT E 4500	12			1426	54	21	06			995	180000 SCT 4500	AMS
0220Z	M 12000 3000 4500	10					22	06			995	180000 E	AMS
0225Z	M 14000 3000	10			1466	54	22	08			996		AMS
0230Z	E 2000 3500	10			1527	58	14	10			998	1317 1511 65	AMS
0235Z	E 2000 3500	15			1566	54	21	10			999	180000 N 5000	AMS
0240Z	E 2000 3500	15										ONLY SCT	
0245Z	E 2000 3500	15			1567	55	17	09			999		AMS
0250Z	E 2000 3500	15			1527	55	18	12			998		AMS
0255Z	E 2000 3500	15			1527	54	22	11			998	1500 1500	AMS
0300Z	45 SCT	15			1527	56	18	09			998	FEW LWR SC	AMS
0305Z	45 SCT	15			1527	56	19	08			998	FEW LWR SC	AMS
0310Z	45 SCT	15			1527	56	20	07			998	FEW LWR SC SE	AMS
0315Z	45 SCT	15										1500 72	
0320Z	45 SCT	15			1526	56	20	07			998	FEW LWR SC W-NW	AMS
0325Z	CLR	15			1526	56	21	06			998	FEW SC	AMS
0330Z	CLR	14			1566	56	21	06			999	305	AMS
0335Z	CLR	12			1636	56	21	05			001		AMS
0340Z	CLR	10			1666	55	09	00			002		AMS
0345Z	CLR	8			1666	55	27	04			002	110 72	AMS
0350Z	CLR	8			1636	55	29	04			001	LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FM12-2, is entered on line following related basic observation.

FM12-VII: 1111 1111VV NddH 10 TTY 20 Td Td 3P0P0P0P0 4PPPP Spppp 6RRRR 7wwW1W2 8MhCLCMCh plus regional and national data groups.

SUPERSEDES MF 1-10A 11-82 WHICH MAY BE USED.

U.S.G.P.O. 1983-0-000-000000

MP 1-10A 5-831		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE SEP 14 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS	
TIME ZST	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS	TEMP AIR	DEW PT	WIND			ALTIM. ETER READING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	COR RECTION			
							DIRECT	SPEED	CHARTER						
2	3	4	5	6	7	8	9	10	11	12	13	14			
0A1245	CLR	12		169	61	56	02	04		003	160	RMS			
0A1050	CLR	10		173	61	56	00	00		004		RMS			
0A1040	CLR	10		176	62	54	04	07		005	114	RMS			
0A1030	CLR	9		178	68	52	35	01		005		RMS			
0A1020	CLR	9		180	71	52	01	04		006		RMS			
0A1010	CLR	7		180	73	56	21	05		006	* 1103 1100 00	RMS			
											FEW CU				
0A1147	CLR	7		180	73	54	24	10		006	FEW CU	RMS			
0A1144	CLR	7		176	75	59	21	10		005		RMS			
0A1230	CLR	8		169	76	59	18	09		003	FEW SC w-mw/slc 1500m				
0A1349	CLR	9		163	76	58	19	09		001		ML			
0A1449	CLR	8		159	77	57	20	10		000		ML			
0A1552	CLR	8		152	75	59	28	11		998	717 77	AD			
0A1650	CLR	12		150	72	58	28	08		999		AD			
0A1749	CLR	12		150	70	59	27	09		999		AD			
0A1848	CLR	10		159	68	59	29	07		000	1307	AD			
0A1950	CLR	10		166	68	60	30	06		002		AD			
0A2049	CLR	8		169	67	60	31	04		003		AD			
0A2144	CLR	7		169	67	60	33	05		003	1110 77	AD			
0A2248	CLR	7		169	66	60	30	04		003	1457	AD			

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1100 012HVV Nddff 10TTT 20TdTd 3PoPoPoPo 4PPPP 5pppp 6RRRR 7wwW 1W2 8NCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED. U.S.G.P.O. 1983-0-004-000070

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		
SURFACE WEATHER OBSERVATIONS				DATE SEP 15 1987		
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.		
TIME ILST Z	SKY AND CEILING Hundreds of Feet B1	VISIBILITY Miles SURFACE TOPER A1 A2	WEATHER AND OBSTRUCTIONS TO VISION Y	SEA LEVEL PRESS. INCHES P	TEMP DEW POINT F C W F C W	
					WIND DIRECTION SPEED KNOTS MILES PER HOUR KNOTS MILES PER HOUR	
					ALTIMETER SETTING INCHES MILLIBARS	
					REMARKS AND SUPPLEMENTAL CODED DATA (10)	
SA0447	CLR	7		169	62 58 04 04	003 / 61
SA0552	CLR	5	FH	169	62 58 05 03	003
SA0651	CLR	5	HK	173	65 58 09 03	004 / 502
SA0751	CLR	5	HK	173	69 58 27 03	004
SA0851	CLR	5	HK	169	73 58 20 06	003
SA0950	CLR	5	HK	169	75 60 18 06	003 / 602 61
SA1048	CLR	5	HK	163	75 61 20 08	001
SA1152	CLR	5	HK	156	77 60 16 08	999
SA1249	CLR	5	HK	149	80 61 17 09	997 / 720
SA1349	CLR	6	HK	142	83 62 23 07	995
SA1449	250-5 CT	7		132	83 63 29 06	992
SA1550	250 SCT	7		132	79 59 27 11	992 / 617 1002 84
SA1651	250-BKN	5	HK	132	74 61 28 10	992
SA1749	180 SCT E250 BKN	5	HK	135	71 61 28 09	993
SA1851	180 SCT E250 BKN	7		135	69 62 29 08	993 / 103 1072
SA1949	E250 BKN	7		139	68 63 28 06	994
SA2048	E250 BKN	8		142	67 62 30 04	995
SA2151	E250 OVC	8		142	67 61 32 04	995 / 107 1007 84
SA2249	E250 BKN	8		142	67 61 30 04	995 / 4457

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII 1212VV NddH 12TTT 20TdTd 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 80hCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-594-020/8010

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 16 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS					
SURFACE WEATHER OBSERVATIONS													
TYPE	TIME ZULU	SKY AND CLOUDS Hundredths of Sky	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm.	TEMP DB	WIND DIRECTION SPEED KNOTS	WIND GUSTS KNOTS	ALTIMETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS	
			Surface	Other									
SA	0447	M14 OVC	7			132	67	60	14	04	991	CIG RGD / 64	AKW
SA	0500	M14 OVC	6		H	132	67	60	16	04	992	CIG RGD TOPS 321	AKW
SP	0610	M15 OVC	6		H				11	03	992	CIG RGD SML BKN OVC	AKW
SA	0653	M17 BKN	6		H	135	68	57	07	05	993	TOPS 325 / 303 1500	AKW
SA	0708	M18 BKN	6		H	135	67	59	18	03	993	BKN V SCT	AKW
SP	0832	20 SCT 250 SCT	7						00	00	993		AKW
SA	0853	20 SCT 250 SCT	7			135	72	59	01	03	993	WSBY LWR SE	AKW
SA	0950	250 SCT	7			132	75	59	15	05	992	RC3 1001 64	AKW
SA	1052	250 - SCT	7			129	76	60	18	08	991		AKW
SA	1154	250 SCT	7			125	76	60	18	10	990		AKW
SA	1249	250 SCT	8			114	77	60	19	09	988	714 1002	AKW
SA	1349	250 - SCT	11			115	79	60	21	08	987		ML
SA	1449	250 - SCT	10			108	80	54	19	06	985		ML
SA	1551	250 - SCT	7			105	76	61	28	08	984	714 1001 81	AD
SA	1650	250 - SCT	7			108	73	61	28	08	985		AD
SA	1748	250 - SCT	7			112	70	61	30	09	986		AD
SA	1849	CLR	7			119	67	61	30	06	988	FEW CI / 314 1001	AD
SA	1948	CLR	7			129	67	61	30	05	991		AD
SP	2019	M17 BKN	7						31	05	992	BKN V SCT	AD
SA	2048	M17 BKN	7			132	66	60	30	03	992	BKN V SCT TOPS 021	AD
SA	2150	M16 OVC	7			135	67	61	02	03	993	THN SPTS 1001 / 115 1511 81	AD
SA	2249	M15 OVC	7			132	67	60	35	03	992	LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FM12-2, is entered on line following related Basic observation.

FM12-VII: Ilim rghVY Nddff 1s0TTT 2s0TdTdD 3PoPoPoPo 4PPPP 5sppp 6RRRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-686-008/8010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE SEP 16 1987	
				To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.	

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL SKY COVER	PRES. CORRECTION (In.)	NET SKY CORRECTION (In.)	SUN- SHINE (In.)	PRE- CIPITATION (In.)
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
1A	1B	1C	1D	1E	1F	2A	2B	2C	3A	3B	3C	4A	4B	4C	5A	5B	5C	5D				
00																						
01																						
02																						
03																						
04	28.870				10										10							
05	28.880				10										10							
06	28.890				9	9	SC	M17							9	3	.010					
07	28.890				6										6							
08	28.890				5										5							
09	28.880				3	3	CI	250							3							
10	28.870				2										2	8	.010					
11	27.860				2										1							
12	27.840				2	2	CI	250							2							
13	27.830				2										1							
14	27.810				2										1							
15	27.800				1	1	CI	250							0	7	.040					
16	27.805				1										0							
17	27.820				1										0							
18	27.840				0	0	CI	250							0	3	.040					
19	27.865				7										0							
20	27.880				7										4							
21	27.885				10	10	SC	M16							10	1	.045					
22	27.880				10										10							
23																						

SYNOPTIC OBSERVATIONS																		
TIME (LST)	TIME (GMT)	NO.	PRESS. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (MPH)	STATE OF SKY	SEA TEMP. (°F)	SOIL TEMP. (°F)	STATION PRESSURE COMPUTATIONS							
2300	0500	1	0	0	0	67	64	XX	XX	XX	TIME LST	29.880	29.890	29.865				
0444	1	0	0	0	67	64					ATT. THERM.							
0948	1	0	0	0	76	67					OBSERVED							
1547	3	0	0	0	81	74					TOTAL							
2147	1	0	0	0	76	66					EVAL. PRES.	29.880	29.890	29.865				
2300	XX	0	0	0	67	66	XX	XX	XX	XX	WIND DIRECTION	29.890	29.810	29.890				
											BAR. CORRECTION	-0.010	-0.010	-0.005				

SUMMARY OF DAY OBSERVED TO 2300 (2300 TO 2300)												WEATHER & OBSTRUCTIONS TO VISION							
PEAK WIND				FRESHENING OF WIND				FRESHENING OF WIND				WEATHER & OBSTRUCTIONS TO VISION							
DIR.	SPEED	TIME	TYPE	DIR.	SPEED	TIME	TYPE	DIR.	SPEED	TIME	TYPE	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED		
81	64	0	0	13	5	1143	4					H	0520	0825					

TIME				SUNRISE				SUNSET							
TOTAL				PERCENT OF POSSIBLE				CHARACTER OF SKY							
PARTIAL				ON FACTORY				ON FACTORY							
TIME CHECK - CLOCK AT 0500 P				01 Sec./1000 P				02 Sec./1600 P				02 Sec.			

SP=			
RS=			

MF1-10A 5-831		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)							
SURFACE WEATHER OBSERVATIONS				DATE SEP 17 1987							
				TO CONVERT LST TO GMT ADD <u>8</u> HRS. SUBTRACT <u> </u> HRS.							
TIME ZULU	SKY AND CLOUDS Hundredths of Sky	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. hPa	TEMP. °C	DEW POINT °C	WIND DIRECTION °T	WIND SPEED KTS	WIND GUSTS KTS	ALTITUDE FEET	REMARKS AND SUPPLEMENTAL CODED DATA
GA0447	~ 9 OVC	7		132.67	58	18	03			992	/CIG AGC / 66
SA0553	M 9 OVC	6	H	135.67	58	08	03			993	/SML BINOVC 0000
											TOPS 025
GA0651	M 20 OVC	6	H	142.68	58	07	04			995	/CIG LWR SE-S / 312
											1511
SA0752	M 22 OVC	6	H	146.68	57	21	04			996	/BINOVC
SP0832	23 SCT	6	H			24	04			996	/SCT V BKN
SA0851	23 SCT	6	H	146.72	57	18	06			996	
SA0950	CLR	6	H	146.74	56	24	04			996	/103 66
SA1054	CLR	7		142.74	58	18	10			995	
SA1148	CLR	7		142.75	58	18	06			995	
SA1249	CLR	7		139.74	58	19	09			994	/807
SA1349	CLR	7		132.76	58	19	09			993	
SA1449	CLR	7		129.76	58	18	08			991	
SA1551	CLR	6	H	125.76	58	28	07			990	/714 77
SA1649	CLR	5	HK	129.73	58	28	09			991	
SA1752	CLR	5	HK	132.69	60	27	10			992	/SC DLT W-NW
SA1848	CLR	5	HK	135.68	60	29	08			993	/210
SA1952	CLR	6	HK	142.67	61	29	07			995	
SA2050	CLR	5	HK	146.67	62	29	06			996	
SA2150	CLR	4	HK	146.66	61	30	06			996	/110 77
SA2250	CLR	3	FH	146.66	61	30	06			996	/LAST

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R1ghVY Nddff 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRr 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S. GPO: 1983-0-084-008/010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE SEP 17 1987	
				To convert LST to GMT ADD 8 hrs. SUBTRACT	
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (F)	WET BULB (F)	REL. HUMID- ITY (%)	TOTAL SKY COVER
00					
01					
02					
03					
04	29.880				10
05	29.870				10
06	29.910				10 SC MAO
07	29.920				10
08	29.920				4
09	29.920				0
10	29.910				0
11	29.910				0
12	29.900				0
13	29.880				0
14	29.870				0
15	29.860				0
16	29.870				0
17	29.880				0
18	29.890				0
19	29.910				0
20	29.920				0
21	29.920				0
22	29.920				0
23					0

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (F)	MIN. TEMP. (F)	STATE OF SKY	1	2	3	4	5	6	7	8	9
00	0800	1	0	0	0	67	66										
01	0900	1	0	0	0	67	66										
02	1000	1	0	0	0	75	67										
03	1100	1	0	0	0	77	73										
04	1200	1	0	0	0	77	66										
05	1300	1	0	0	0	66	66										

STATION PRESSURE COMPUTATIONS									
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (F)	MIN. TEMP. (F)	STATE OF SKY	1
00	0800	1	0	0	0	67	66		
01	0900	1	0	0	0	67	66		
02	1000	1	0	0	0	75	67		
03	1100	1	0	0	0	77	73		
04	1200	1	0	0	0	77	66		
05	1300	1	0	0	0	66	66		

SUMMARY OF DAY (2300P TO 2300P)									
NO.	TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	MAX. TEMP. (F)	MIN. TEMP. (F)	STATE OF SKY
66	00	0800	1	0	0	0	67	66	
67	01	0900	1	0	0	0	67	66	
68	02	1000	1	0	0	0	75	67	
69	03	1100	1	0	0	0	77	73	
70	04	1200	1	0	0	0	77	66	
71	05	1300	1	0	0	0	66	66	

WEATHER & OBSTRUCTIONS TO VISION									
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
H	0510	1033							
H	1530	CONT							
K	1630	2230							
F	2230	CONT							

TIME: SUNRISE		SUNSET	
TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNSET	CHARACTER OF SUNSET
FACTORY OBSERVED LENGTH AND SPEED	OR FACTORY FILE	FACTORY OBSERVED	OR FACTORY FILE

TIME CHECK - CLOCK AT: 0500P @ 1 Sec./1000P @ 1 Sec./1630P @ 1 Sec.			
LAST OF SEVERAL OCCURRENCES			
SP=			
RS=			

MF1-108 (10-83)

SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1985-0-784-008/808

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STAT ON LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS												DATE SEP 18 1987									
												TO CONVERT LST TO GMT ADD -8 SUBTRACT									
TIME FLST	TYPE	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. HPa	TEMP °F	DEW PT °F	WIND				ALTIM ETER SET TING INCH	REMARKS AND SUPPLEMENTAL CODED DATA	OBS SERIES						
			Surface	Tower					Dir	Spd	Gust										
SA 0448		-X M3 OVC	4		FH	149	64	60	30	07		997	/FH1 CIG RGD/ 62	RLW							
SP 0527		-X M10 OVC	4		FH				28	05		998	/FH1 CIG RGD	RLW							
SA 0555		-X M10 OVC	3		FH	156	65	60	31	04		999	/FH2 CIG RGD	RLW							
SA 0633		-X M12 OVC	3		FH	163	65	59	27	03		991	/FH2 CIG RGD	RLW							
													TOPS 022/ 320 16/1								
SA 0751		-X M13 OVC	3		H	166	67	60	30	04		992	/H1 CIG RGD TOPS 020	RLW							
SA 0847		-X M14 OVC	3		HK	166	69	60	34	04		992	/HK1 CIG RGD SM	RLW							
													BKNVC 2VHD								
SP 0858		-X M15 BKN	3		HK				31	04		992	/HK1	RLW							
SP 0921		-X 17 SCT	3		HK				23	03		992	/HK1 VSBY SE-52 1/2	RLW							
SA 1050		-X 17 SCT	4		HK	166	74	59	28	03		992	/HK1 002 1500 62	RLW							
SA 1052		-X	4		HK	159	77	60	32	03		992	/HK1 WND LGT ANG VRB	RLW							
SA 1151		CLR	5		HK	149	76	61	18	10		997	/WNO 12 V23	RLW							
SA 1249		CLR	6		HK	142	82	60	27	08		995	/722	RLW							
SA 1349		CLD	7			139	80	58	28	12		994		RLW							
SA 1449		CLR	8			135	78	57	27	10		993		RLW							
SA 1550		CLR	8			132	75	57	27	10		992	/V4yLw H1612 83	RLW							
SA 1649		CLR	8			132	72	59	27	09		992		RLW							
SA 1752		CLR	9			132	69	60	28	09		992		RLW							
SA 1846		CLR	8			139	67	61	29	08		994	/308	RLW							
SA 1950		CLR	7			146	66	61	28	06		996		RLW							
SA 2047		CLR	5		H	149	66	61	24	04		997		RLW							
SA 2151		CLR	5		H	152	66	61	31	04		998	/112 83	RLW							
SA 2244		CLR	5		H	149	65	61	31	05		997	/LAST	RLW							

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related Basic observation.

FM12-VII: I111 r12hVV Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1983-0-884-008/8010

WFI-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)												
SURFACE WEATHER OBSERVATIONS															DATE SEP 18 1987					To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.				
TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SET COVER	PRES- SURE TEND- ENCY	NET DNR. CHANGE (In.)	SUR- FACE WIND (In.)	PRE- CIPITATION (In.)	
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER								
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT							
00																								
01																								
02																								
03																								
04	48	29.930				10									10									
05	55	29.950				10									10									
06	53	29.970				10	2	F	-	10	ST	M12	10		10	3	.060							
07	51	29.980				10									10									
08	47	29.980				10									10									
09	50	29.975				2	1	H	-	1	SC	17	2		2	0	.025							
10	52	29.960				1									1									
11	51	29.930				0									0									
12	49	29.910				0									0	7	.065							
13	49	29.900				0									0									
14	49	29.890				0									0									
15	50	29.875				0									0	6	.035							
16	48	29.880				0									0									
17	52	29.880				0									0									
18	46	29.900				0									0	3	.025							
19	50	29.915				0									0									
20	47	29.930				0									0									
21	51	29.935				0									0	1	.035							
22	46	29.930				0									0									
23																								

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GMT)	NO.	PR. TEMP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND DIRECTION (°T)	STATE OF SKY	SEA TEMP. (°F)	SEA WAVE (In.)	SEA WAVE DIRECTION (°T)	SEA WAVE PERIOD (Sec.)	SEA WAVE HEIGHT (In.)	SEA WAVE LENGTH (In.)	SEA WAVE FORCE (In.)	SEA WAVE DURATION (In.)	SEA WAVE FREQUENCY (In.)
2300	0645	1	0	0	0	66	62	X									
2400	0745	1	0	0	0	66	62										
2500	0848	1	0	0	0	74	64										
2600	1545	1	0	0	0	83	74										
2700	2145	1	0	0	0	75	65										
2800	2300	1	0	0	0	66	65	X									

STATION PRESSURE COMPUTATIONS																	
TIME (LST)	TIME (GMT)	NO.	PR. TEMP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND DIRECTION (°T)	STATE OF SKY	SEA TEMP. (°F)	SEA WAVE (In.)	SEA WAVE DIRECTION (°T)	SEA WAVE PERIOD (Sec.)	SEA WAVE HEIGHT (In.)	SEA WAVE LENGTH (In.)	SEA WAVE FORCE (In.)	SEA WAVE DURATION (In.)	SEA WAVE FREQUENCY (In.)
2300	0645	1	0	0	0	66	62	X									
2400	0745	1	0	0	0	66	62										
2500	0848	1	0	0	0	74	64										
2600	1545	1	0	0	0	83	74										
2700	2145	1	0	0	0	75	65										
2800	2300	1	0	0	0	66	65	X									

SUMMARY OF DAY (2300P TO 2300P)																	
20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)	20-HR. WIND TEMP. (°F)
2300	0645	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	0745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2500	0848	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2600	1545	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2700	2145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2800	2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WEATHER AND OBSTRUCTIONS TO VISION																	
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	0721															
H	CONT	1325															
K	0831	1325															
H	2030	CONT															

REMARKS (2300P TO 2300P)																	
TIME: SUNRISE SUNSET																	
TOTAL CLOUDS PERCENT OF POSSIBLE CLOUDS CHARACTER OF CLOUDS CHARACTER OF CLOUDS																	
FACTORY OBSERVED OR FACTORY OR FACTORY OR FACTORY																	
TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1500P @ 1 Sec.																	

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE SEP 19 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 0 HRS	
TYPE	TIME UT	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP OF AIR DEW POINT INCHES	WIND			ALTIM ETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER		
			Surface	Lower				Direction	Speed	Direction					
SA	0451	-X	2 1/2		FH	146.62	59	00	00		996	/FH1 62	AD		
SP	0529	-X	1 1/2		FH			16	03		997	/FH2	AD		
SA	0550	-X 10 SCT	1 1/2		FH	152.62	57	00	00		998	/FH2	AD		
SA	0650	-X	1 1/2		FH	156.03	60	12	03		999	/FH3 VSBY NE-SE 1 / 3.0	AD		
SP	0722	-X 9 SCT	1 1/2		FH			10	03		000	/FH3 VSBY W 1 1/4	AD		
RS	0749	-X M 8 OVC	2		FH	159.66	62	12	04		000	/FH2	AD		
RS	0851	-X M 10 OVC	2 1/2		FH	163.68	61	14	05		001	/FH1 TMS SCTS 1000 TOPS 025	AD		
SP	0913	-X 11-BKN	2 1/2		H			18	03		002	/H1	AD		
SP	0937	-X 13 SCT	3		H			00	00		001	/H1	AD		
SA	0951	-X 15-SCT	3		H	163.71	62	30	05		001	/H1 / 107 / 500 62	AD		
SA	1048	CLR	4		H	156.76	62	13	06		999		AD		
SA	1152	CLR	5		H	146.77	62	18	06		996		AD		
SA	1249	CLR	5		H	139.77	62	19	10		994	/724	AD		
SA	1351	CLR	5		H	132.80	62	18	08		992		AMS		
SA	1452	CLR	5		H	124.80	59	27	10		991		AMS		
SA	1550	CLR	5		H	124.76	59	28	08		991	/610 83	AMS		
SA	1648	CLR	6		H	132.73	60	28	10		992		AMS		
SA	1748	CLR	6		H	135.70	61	29	10		993	/56 W MP 2N	AMS		
SA	1844	CLR	5		H	139.68	62	32	07		994	/300	AMS		
SA	1944	CLR	5		H	146.67	63	31	04		996		AMS		
SA	2048	CLR	4		H	144.66	62	30	06		997		AMS		
SA	2149	CLR	4		FH	149.64	61	31	06		997	/112 83	AMS		
SA	2244	CLR	4		FH	149.65	61	24	06		997	/LAST	AMS		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IR12HVV Nddff 10 TTT 20 Td Td 3P0P0P0P0 4PPPP 5appp 6RRR1R 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1983-0-484-005/8010

U.S. GPO: 1983-0-794-000-000

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE SEP 20 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.	
TYPE	TIME ZULU	SKY AND CEILING Hundreds of Feet	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. BY TYPE	WIND DIRECTION BY TYPE	WIND SPEED BY TYPE	WIND GUST BY TYPE	ALTITUDE FEET	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS		
			41	40											
SP	0450	-X	2		FH	139.63	61	30	03		994	FH1 62	AD		
SP	0532	-X	1 1/2		FH			30	03		995	FH2	AD		
SA	0547	-X	1 1/2		FH	142.62	60	28	03		995	FH2	AD		
SP	0624	-X 75CT	1 1/4		FH			00	00		996	FH3	AD		
SP	0644	-X 75CT	3/4		F			00	00		996	F3	AD		
RS	0652	-X	1/2		F	146.63	60	00	00		996	F4 TWR VSBY 3/4	AD		
												TOPS H 012-017/305			
SP	0726	W5X	3/8	1/8	F	144.64	61	32	03		997	VSBY 3/4	AD		
RS	0747	-X M6 OVC	1/2		F	149.64	61	31	03		997	F4 TWR SPTS 1000	AD		
SP	0810	-X M7 OVC	1/4		F			28	04		998	F2	AD		
SP	0835	-X M8 BKN	1 1/2		H			25	04		998	H2	AD		
SA	0849	-X M9 BKN	1 1/2		H	149.70	62	00	00		997	H2 TOPS 015	AD		
SP	0900	-X 12 SCT	1 3/4		H			00	00		997	H2	AD		
SP	0923	-X	2 1/2		H			00	00		997	H1	AD		
SA	0951	-X	2 1/2		H	149.74	62	23	04		997	H1 TWR VSBY 3/4	AD		
												002 62			
SP	1017	-X	3		H			22	04		996	H1	AD		
SA	1049	CLR	4		H	139.75	62	18	07		994		AD		
SA	1149	CLR	4		H	129.76	62	16	09		991		AD		
SA	1250	CLR	4		H	122.77	62	20	08		989	FEW ALAS N/725 1080	AD		
SA	1355	CLR	4		H	112.80	63	19	08		986		RMS		
SA	1451	120SCT	4		H	108.81	62	30	10		989		RMS		
SA	1552	CLR	4		H	105.76	61	31	10		984	1619 84	RMS		
SA	1653	120SCT	5		H	105.73	62	27	08		984		RMS		
SA	1753	120SCT	5		H	115.76	62	24	06		987		RMS		
SA	1853	120SCT	5		H	122.70	63	18	06		989	1319 1070	RMS		
SP	1935	M110BKN 1208MN	5		H			15	04		992	1ST INCLG 1000	RMS		
SA	1952	M11000	5		H	135.68	63	17	07		993	1THUS 1000 INCLG	RMS		
SA	2053	M12000	6		H	135.68	63	00	00		993		RMS		
SA	2152	M12000	5		H	132.64	62	01	04		992	1000 1611 84	RMS		
SA	2246	M12000	5		H	125.68	62	05	04		990	LAST	RMS		

FM12-VII: IIII R12HVV Nddff 10nTTT 20TdTd 3PoPoPoPo 4PPPP 5app 6RRRr 7wwW1W2 8N1CLMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1983-0-484-008/010

ME 1-100 (20-22)

SUPERSEDES ME 1-100 (1-82) WHICH MAY BE USED

U.S. GPO: 1983-0-784-000/0000

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 21 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT		
SURFACE WEATHER OBSERVATIONS												
TIME FLCT	TYPE	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Inches	TEMPERATURE At 5 Feet	WIND		ALTIMETER Setting Inches	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
			Surface	Upper				Direction	Speed			
0447	SA	-X M10 OVC	4		H	125.67	62	00	00	990	/H1 CIG-RC-D/ 65	2LW
0553	SA	-X M2 OVC	3		FM	125.67	63	36	03	990	/FH2 CIG-RC-D TCRS	2LW
0632	SP	-X 10 SCT E250 OVC	3		FM			08	04	990	/FH1 CIG-LWR S-W	2LW
0651	SP	-X 10 SCT E250 OVC	4		FM	125.68	62	36	04	990	/FH1 VSBY LWR E/ 107	2LW
0755	SA	-X E250 OVC	4		HK	129.69	64	00	00	991	/HK1	2LW
0848	SA	-X E250 OVC	4		HK	132.71	61	06	03	992	/HK1	2LW
0950	SA	-X E250 OVC	3		HK	129.76	62	34	03	991	/HK1/ 003 1007 65	2LW
1051	SA	-X E250 BKN	3		HK	125.81	62	01	05	990	/HK1	2LW
1151	SA	E250 BKN	5		HK	112.87	58	30	05	986		2LW
1249	SA	E250 BKN	6		HK	105.88	63	16	08	984	/ 624 1002	2LW
1344	SA	E250 OVC	8			098.88	58	15	05	982	/V2BY 1+12 W	2LW
1444	SA	E250 OVC	7			098.85	56	18	07	982		2LW
1551	SA	E250 OVC	4		HK	095.82	64	30	07	981	/B.WVC / 710 1002 91	AD
1652	SA	250 SCT	4		HK	098.78	64	23	07	982		AD
1748	SA	250-BKN	3		HK	108.76	63	17	05	985		AD
1823	SP	-X 250-SCT	2 1/2		HK			16	08	986	/HK1	AD
1848	SA	-X 250-SCT	2 1/2		HK	115.71	66	17	07	987	/HK1/ 320 1002 91	AD
1949	SA	-X 250-SCT	2 1/2		HK	125.69	66	18	04	990	/HK1 TWR C-34 4	AD
2017	SP	-X 250-SCT	3		HK			22	04	990	/HK1	AD
2048	SA	-X 250-SCT	3		HK	129.69	65	14	05	991	/HK1	AD
2151	SA	-X E250 OVC	3		HK	129.69	65	00	00	991	/HK1 / 114 1007 91	AD
2230	SP	-X 9 SCT E250 OVC	4		HK			13	05	991	/HK1	AD
2248	SA	-X 9 SCT E250 OVC	4		HK	132.68	65	14	04	992	/HK1 LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII 1R12HVV Hddff 1a0TTT 2a0TdTd 3P0P0P0P0 4PPPP 5appp 6RRRR 7wwW1W2 8HhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (11-82) WHICH MAY BE USED.

U.S.GPO:1983-0-884-008/8010

MP 1-100 (10-03)

SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

U S GPO 1983-0-784-008/0000

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE SEP 22 1987	TO CONVERT LIST TO GMT ADD <u>8</u> HRS. SUBTRACT <u>0</u> HRS.
TIME Z	TYPE	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm Hg	TEMP. °F	DEW PT. °F	WIND		ALTIM. ETER SETTING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	
			Surface	Upper					Direction	Speed			
0447	SA	-X 48 OVC	2 1/2		FM	149.68	65	04	03	997	/FM2 C-C-RC-D SML		
											BINGO C-D VSBY SE3		
											65		
0508	SP	-X 8 SCT E60 BKN	2 1/2		FM			35	05	996	/FM2 VSBY W-NW		
0537	SP	-X E100 BKN 250 BKN	2		FM			03	04	998	/FM2 VSBY W-NW		
0551	SA	-X E160 BKN 250 BKN	2		FM	152.66	65	04	04	998	/FM2 VSBY S-W 1/2		
0600	SP	-X E160 BKN 250 BKN	1 1/2		FM			35	06	998	/FM2 VSBY E-S 1/4		
0653	SA	-X 160 BKN E250 BKN SCT	1 1/2		H	152.70	63	34	05	998	/H2 VSBY E-S 1/4 / 115		
											1032		
0733	SP	-X 160 SCT E250 BKN	13/4		H			32	06	998	/H1 VSBY W2 E-S 1/4		
0716	SP	-X 160 S-T 250 SCT	2		HK			02	04	998	/HK1 VSBY W2 1/2		
											TOPS OF HK015		
0732	SP	-X 160 SCT 250 SCT	2 1/2		HK			02	04	999	/HK1 VSBY E2		
0754	SA	-X 160 SCT 250 SCT	2 1/2		HK	152.76	61	36	05	998	/HK1 TWR VSBY 4		
0811	SP	-X 160 SCT 250 SCT	3		HK			31	06	998	/HK1		
0852	SA	-X E160 BKN	4		HK	152.79	59	02	06	998	/HK1		
0950	SA	160 SCT 250 -BKN	5		HK	149.86	57	36	06	997	/803 1072 65		
1055	SA	160 SCT 250 SCT	10			146.93	54	04	06	996			
1148	SA	160 SCT	8			146.70	56	20	11	996			
1249	SA	150 SCT 250 SCT	10			142.84	57	17	14	995	/FEW CU CONT E-SE		
											807 1172		
1344	SA	160 SCT E250 BKN	14			135.86	59	19	10	993			
1444	SA	160 SCT 250-BKN	12			132.86	57	28	06	992			
1552	SA	160 SCT 250 SCT	5		HK	135.81	60	27	13	993	/FEW ACRS/507 1052 93 AD		
1652	SA	120 SCT 150 SCT 250 SCT	6		HK	142.78	62	27	11	995	/FEW ACRS MPT CU NW AD		
1749	SA	150 SCT 250 SCT	6		HK	149.75	63	33	07	997	/CB DSNT N-NE S'RY AD		
1851	SA	E150 OVC	7			159.73	65	16	08	000	/B.NGVC/322 1071 AD		
											* OCHL LTG C6 DSNT E		
1923	SP	E120 OVC	7		T			14	08	001	/TB18 AMOVG SW OCHL LTGCL AD		
											OVHD-NW		
1947	SA	E120 OVC	7		T	163.72	67	12	08	001	/TB18 T SNOW MOVG SW AD		
											OCHL LTG C6 GND-SNOW		
2016	SP	E120 BKN 250 OVC	7					22	03	002	/TE10 MOVD SW AD		
2034	SP	E120 BKN 250 OVC	7					32	12	001	/7 WSHFT 20 TE10 MOVD SW AD		
2044	SA	E140 BKN 250 OVC	7			163.73	65	36	04	001	/TE10 MOVD SW AD		
2152	SA	140 SCT 250-OVC	7			166.72	65	00	00	002	/308 1077 93 AD		
2249	SA	140 SCT 250-OVC	7			163.72	64	31	04	001	/LAST AD		

A synoptic observation using WMO code FM12-VII, as described in FM12-2, is entered on line following related Basic observation.

FM12-VII. IIII IRIHVV MddH I₀TTT Z₀TdTd 3P₀P₀P₀ 4PPPP Suppp 6RRRIR 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MP1-10A (11-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-884-008/0010

MP 1-100 (10-03)

~~SUPERSEDES MF 1-100 (1-83) WHICH MAY BE USED~~

U.S. GPO 1953-0-794-009-021

FM1-10A 5-831		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE SEP 23 1987	
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT _____ HRS.	
TIME Z	SKY AND CEILING Hundred Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm	TEMP PT F W A S W
TIME Z	SKY AND CEILING Hundred Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm	TEMP PT F W A S W
SA 0447	20 SCT E250 BKN	4	H	163 70	65 00 00
SA 0552	100 SCT E100 BKN 250 BKN	4	H	163 70	66 36 04
SA 0651	E100 BKN 140 BKN 250 BKN	4	RW-H	163 73	65 32 04
SA 0752	-X E100 BKN 140 OVC	3	HK	169 72	66 29 10
SA 0853	-X E100 BKN 140 OVC	2 1/2	HK		29 10
SA 0949	-X E90 BKN 140 OVC	2 1/2	RW-HK	173 73	66 27 06
SA 0950	-X 60 SCT E100 BKN 140 BKN	2 1/2	RW-HK	173 72	66 28 07
SA 1015	-X 60 SCT 100 SCT E140 BKN	3	HK		27 06
SA 1051	-X 60 SCT 100 SCT E140 BKN	4	HK	173 77	64 27 06
SA 1152	60 SCT 100 SCT 160 SCT	6	HK	166 85	64 26 10
SA 1253	60 SCT 100 SCT 160 SCT	15		159 88	59 26 09
SA 1319	60 SCT 120 SCT 200 SCT	15		156 89	58 25 04
SA 1449	60 SCT E120 BKN 200 BKN	12		156 78	65 18 08
SA 1531	60 SCT 120 SCT E250 BKN	7		149 62	62 22 06
SA 1654	120 SCT E250 BKN	6	H	149 79	65 31 12
SA 1752	120 SCT E250 BKN	6	H	152 73	65 29 12
SA 1849	60 SCT 120 SCT 250 SCT	7		156 72	64 27 06
SA 1949	60 SCT E120 BKN 250 BKN			163 71	63 29 07
SA 2046	120 SCT E250 BKN	8	RW-	156 71	64 26 06
SA 2149	120 SCT	9		163 70	64 36 03
SA 2246	CLR	9		159 69	63 26 03

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII IIII 1111VY Nddff 1s0TTT 2s0TdTd 3PoPoPoPo 4PPPP Sappp 6RRRr 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO:1985-0-084-008-0010

* U.S. GPO: 1983-0-754-000-0000

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)			
SURFACE WEATHER OBSERVATIONS												DATE SEP 24 1987	TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u> </u> HRS		
TYPE 1	TIME 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY (Miles) 4		WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. 6	TEMP. 7	DEW PT. 8	WIND 9					ALTIM. 10	REMARKS AND SUPPLEMENTAL CODED DATA 11
			1	2					3	4	5	6	7		
SA0447		-X MR BKN	3		FH	159	66	64	36	03		000	/FH2 BRKS OVHD-W 2KW		
													CIG RG-D VSBY W-N 2 1/2		
													65 20002		
SP0551		-X 7 SCT E120 BKN	3		FH				07	03		000	/FH1 CIG CLR SE-S 2KW		
													VSBY W-N 2 1/2		
SA0550		-X 7 SCT E120 BKN	3		FH	159	67	65	06	03		000	/FH1 VSBY S-W 2 1/2 2KW		
SP0607		-X MR BKN 120 OVC	3		FH				07	03		000	/FH1 BRKS OVHD-W 2KW		
													CIG RG-D VSBY SE 4		
													SW-NW 2 1/2		
SA0651		-X MR BKN 120 OVC	4		FH	163	67	65	10	06		001	/FH1 BRKS OVHD CIG 2KW		
													RGD 307 167/		
SA0752		MR BKN	4		HK	163	71	65	16	05		001	/CIG RG-D 2KW		
SP0804		MID BKN	4		HK				11	04		001	/CIG RG-D 2KW		
SP0832		12 SCT E250 BKN	5		HK				08	04		001	2KW		
SA0853		11 SCT 250 SCT	5		HK	163	74	65	18	04		001	2KW		
SA0950		CLR	6		HK	163	77	66	19	07		001	/400 65 2KW		
SA1051		CLR	6		HK	159	76	65	19	10		000	2KW		
SA1149		CLR	7			159	76	64	18	12		000	/CU BU-FC DSNT N-E 2KW		
SA1249		CLR	8			152	76	65	18	10		998	/810 M		
SA1349		CLR	8			146	76	65	19	12		996	/FEW CU N M		
SA1449		CLR	8			142	73	65	19	10		995	/ST SE-S CU N M		
SA1550		CLR	8			139	72	64	15	09		994	/614 77 M		
SA1646		CLR	7			134	74	64	14	04		994	M		
SA1746		CLR	7			142	71	62	28	08		995	M		
SA1853		CLR	9			146	69	62	30	06		996	/307 M		
SA1950		CLR	9			149	68	62	24	04		997	M		
SA2052		CLR	8			152	68	63	03	04		998	M		
SA2151		11 SCT	8			156	68	63	14	04		999	/108 1500 77 M		
SA2237		E11 BKN	8						19	07		999	M		
SA2249		E11 OVC	8			156	68	63	18	06		999	/LAST M		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: III: (R)ZHVY Hddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.GPO:1983-0-684-008/010

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-09-2010 BY 60322 UCBAW

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 25 1987		TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS				
SURFACE WEATHER OBSERVATIONS												
TIME (LST)	SKY AND CEILING (Hundred Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Inches)	TEMP (F)	DEW PT (F)	WIND DIRECTION (True)	WIND SPEED (Knots)	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER (Initials)
		41	40									
SA 0452	M 9 OVC	4		H	152.67	62	15.07	998	/ 66		AD	
SA 0538	M 10 OVC	4		H	152.62	62	14.07	998			AD	
SA 0548	M 10 OVC	4		H	156.67	62	13.05	999	/ TOPS 019		AD	
SA 0650	M 11 OVC	4		H	156.67	61	35.03	999	/ 107 15 11		AD	
SA 0748	M 11 OVC	4		H	159.68	62	15.05	000	/ TOPS 019		AD	
SA 0851	M 12 OVC	5		H	163.68	62	18.06	001			AD	
SA 0952	M 13 OVC	6		H	163.70	61	16.08	001	/ 107 15 11 66 THN SPKS		AD	
SP 1023	15 SCT	6		H			17.08	001	/ SCT V 13CN		AD	
SA 1043	CLR	7			163.72	61	18.06	001	/ FEWS SE-S		AD	
SA 1148	CLR	7			156.74	61	18.05	999			AD	
SA 1249	CLR	8			149.73	60	17.08	997	/ 8.5		AD	
SA 1349	CLR	10			142.74	60	18.08	995			ML	
SA 1449	CLR	10			135.76	61	17.08	993			ML	
SA 1549	CLR	7			124.76	62	18.07	991	/ HAZY VSHW LWS W/T 19 17		MS	
SA 1654	CLR	8			124.70	63	28.10	991			MS	
SA 1747	CLR	6		H	132.68	62	28.08	992	/ 302		MS	
SA 1844	CLR	7			135.67	62	28.07	993			MS	
SA 1944	CLR	7			139.67	62	32.04	994	/ 18KN V OVC		MS	
SA 2050	15-BKN	7			139.67	62	29.06	994	/ 108 16 11 77		MS	
SA 2101	M 15 BKN	7					32.03	994	/ LAST		MS	
SA 2150	M 15 OVC	7									MS	
SA 2227	M 12 OVC	7									MS	
SA 2246	M 13 OVC	7									MS	

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: IIII 1R12HVY Nddff 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRr 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S. GPO: 1983-0-884-008/8010

* U.S.GPO: 1983-0-784-001/807

MF1-108 (10-63)		U.S. DEPARTMENT OF COMMERCE NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS										DATE SEP 26 1987					To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.						

CLOUDS AND OBSCURING PHENOMENA																							
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER			TOTAL OBS. SKY COVER	PRES. CHANGE (In.)	WIND DIRECTION (In.)	WIND SPEED (In.)	PRECIPITATION (In.)	
						AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT						
00																							
01																							
02																							
03																							
04	57	29.850			10													10					
05	48	29.850			10													10					
06	51	29.870			10	10	SC	M16									10	3	.005				
07	47	29.900			10												10						
08	48	29.910			10												10						
09	50	29.910			10	10	SC	M19									10	1	.020				
10	47	29.910			10												10						
11	48	29.870			5												5						
12	49	29.880			1	1	SC	23									1	8	.030				
13	54	29.860			0												0						
14	51	29.850			0												0						
15	50	29.850			0												0	6	.030				
16	52	29.850			0												0						
17	53	29.860			0												0						
18	49	29.870			0	0	SC	15									0	3	.020				
19	53	29.880			1												1						
20	48	29.895			3												3						
21	50	29.910			5	5	SC	15									5	3	.040				
22	51	29.910			10												10						
23																							

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA. TEMP. (°F)	AIR TEMP. (°F)	STATE OF SKY	10	11	12	13	14	15	16	17	18
00	0800																
01	0948	X	0	0	X	69	67	X	X								
02	1048	1	0	0	0	69	67										
03	1147	2	0	0	0	71	67										
04	1248	3	0	0	0	74	71										
05	1348	4	0	0	0	71	65										
06	1420	X	0	0	0	66	65	X	X								

SUMMARY OF DAY (2300P TO 2300P)														
24-HR. HAIL TEMP. (°F)	24-HR. HAIL TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOW FALL (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIRECTION (In.)	24-HR. WIND GUST (Kts.)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIRECTION (In.)	24-HR. WIND GUST (Kts.)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIRECTION (In.)	24-HR. WIND GUST (Kts.)	24-HR. WIND SPEED (Kts.)
66	67	0	0	0	16	S	1353							

WEATHER & OBSTRUCTIONS TO VISION														
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED									
H	0830	1120												

TIME: SUNRISE					SUNSET				
TOTAL DURATION (MIN.)		PERCENT OF POSSIBLE DURATION		CHARACTER OF RAIN		CHARACTER OF CLOUDS		CHARACTER OF WIND	
FACTORY OBSERVED		OR PASTENT		OR PASTENT		OR PASTENT		OR PASTENT	
TIME CHECK - CLOCK AT: 0500P		01 Sec./1000P		01 Sec./1000P		01 Sec./1000P		01 Sec./1000P	

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE SEP 27 1987		TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 0 HRS.	
SURFACE WEATHER OBSERVATIONS									
TIME Z	SKY AND CLOUDS Hundredths of Sky	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. inches	TEMP. air	DEW POINT	WIND Direction Force	WIND Speed Knots	REMARKS AND SUPPLEMENTAL CODED DATA
SA 1453	M 11 OVC	5	H	146.66	60	11.06		996	160
SA 1547	M 11 OVC	5	H	149.65	60	00.00		997	TOPS 023
SA 1649	M 11 OVC	5	H	152.65	60	01.03		998	210 1511
SA 1749	M 11 OVC	5	H	152.66	60	02.03		998	TOPS 023
SA 1850	M 12 OVC	4	HK	152.67	60	02.00		998	
SA 1936	M 15 OVC	4	HK			02.00		998	FEW BKNCL
SA 1951	M 16 OVC	4	HK	152.71	60	29.03		998	BKNCL / 400 1511 60
SA 1004	17-BKN	4	HK			01.03		998	
SA 1047	CLR	4	HK	149.76	60	25.04		997	
SA 1148	CLR	5	HK	142.74	61	17.05		995	
SA 1247	CLR	6	HK	135.75	62	17.09		993	317
SA 1354	250 SCT	7		135.74	61	19.10		993	
SA 1453	250 -SCT	7		132.74	62	18.10		992	
SA 1550	250 -SCT	7		132.76	62	27.06		992	603 1001 77
SA 1648	250 -SCT	7		132.74	62	28.06		992	USBY LWR SW
SA 1752	CLR	7		135.71	61	29.06		993	CI S
SA 1847	CLR	7		142.68	63	15.07		995	310
SA 1951	CLR	7		149.67	63	15.06		997	FEW ST SE-S
SA 2049	CLR	7		152.67	62	14.04		998	FEW ST SE-S
SA 2150	12 SCT	6	H	163.66	62	17.04		001	ST GRDLY INCRG / 520 21W
									1600 77
SA 2227	M 12 BKN	6	H			13.04		001	CIG RG-D
SA 2255	M 11 OVC	5	H	163.66	62	06.04		001	CIG RG-D SML BKNCL
									3VHD LAST

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIII IRzHVV Nddff 1aNTT 2aTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRr 7wwW1W2 8NCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S. GPO 1983-0-484-008/010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. TDAUGHERTY FIELD																	
SURFACE WEATHER OBSERVATIONS										DATE SEP 27 1987										To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.									

TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA										TOTAL CLOUD COVER	PRES. TENDENCY (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	PRECIPITATION (In.)
						AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	SUM- MATION TOTAL	AMT	TYPE	HEIGHT					
00																				
01																				
02																				
03																				
04	53	29.720			10									10						
05	47	29.730			10									10						
06	49	29.940			10	10	SC	M11						10	2	.030				
07	44	29.940			10									10						
08	50	29.940			10									10						
09	51	29.940			10	10	SC	M16						9	4	.000				
10	47	29.930			0									0						
11	48	29.910			0									0						
12	47	29.870			0									0	8	.050				
13	54	29.885			1									1						
14	53	29.880			2									1						
15	50	29.880			1	1	CI	250						0	6	.010				
16	48	29.880			1									0						
17	52	29.890			0									0						
18	47	29.710			0									0	5	.030				
19	51	29.730			0									0						
20	49	29.940			0									0						
21	50	29.970			3	3	ST	12						3	3	.060				
22	55	29.970			10									10						
23																				

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts.)	WIND DIRECTION (°)	STATE OF SKY	10	20	30	40	50	60	70	80	90
2300																	
0000																	
0100																	
0200																	
0300																	
0400																	
0500																	
0600																	
0700																	
0800																	
0900																	
1000																	
1100																	
1200																	
1300																	
1400																	
1500																	
1600																	
1700																	
1800																	
1900																	
2000																	
2100																	
2200																	
2300																	

SUMMARY OF DAY (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION						
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIRECTION (°)	24-HR. TIME (LST)	24-HR. ICE ON WATER (In.)	24-HR. FROST ON GROUND (In.)	24-HR. RIVER GLACE (In.)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIRECTION (°)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIRECTION (°)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIRECTION (°)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIRECTION (°)
77	60	0	0	0	16	S	1251				5							

TIME: SUNRISE				TIME: SUNSET			
TOTAL CLOUDS	(MIN.)	PERCENT OF POSSIBLE CLOUDS	CHARACTER OF CLOUDS	TOTAL CLOUDS	(MIN.)	PERCENT OF POSSIBLE CLOUDS	CHARACTER OF CLOUDS
FACTORY OBSERVED				FACTORY OBSERVED			
UNFACED OBSERVED				UNFACED OBSERVED			

TIME CHECK - CLOCK AT: 0500P @ 1 Sec./1000P @ 1 Sec./1600P @ 1 Sec.

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)						
SURFACE WEATHER OBSERVATIONS				DATE SEP 28 1987						
				TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS						
TIME ZST	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. DEW POINT INCHES	WIND DIRECTION SPEED INCHES	WIND GUST SPEED INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION TO WIND SPEED INCHES
		SURFACE	DOWN							
SA 0452	CLR	3		FH	156.65	61	00100	997	/ 63	AD
SP 0547	-X	1/2		FH			2005	000	/FH2	AD
SA 0547	-X	1/2		FH	159.64	62	2905	000	/FH2	AD
SA 0643	-X 250 SCT	1/2		FH	159.66	62	2906	000	/FH2 502 1001	AD
SP 0743	-X 250 SCT	2		HK			3005	001	/HK1	AD
SA 0750	-X 250 SCT	2		HK	163.70	62	3106	001	/HK1	AD
RS 0850	-X 250 SCT	2 1/2		HK	163.76	63	2806	001	/HK1	AD
SA 0849	-X 250 SCT	2 1/2		HK	163.79	63	2707	001	/HK1 TWR VSBY 3/ 002 1001 63	AD
SP 1024	CLR	3		HK			2905	001	/FEW C1 TWR VSBY 4	AD
SA 1049	CLR	5		HK	159.82	62	2906	000	/FEW C1	AD
SA 1148	CLR	4		HK	152.85	62	26107	998		AD
SA 1249	CLR	4		HK	149.84	62	2907	997	/FEW CU N / 814 1100	AD
SA 1349	CLR	5		HK	146.85	61	2509	996	/FEW MDT CU N-NE ML	ML
SA 1449	CLR	7			142.83	60	2610	995	/FEW CU N-E	ML
SA 1551	CLR	7			139.77	61	2712	994	/608 86	ML
SA 1650	CLR	9			139.75	63	2910	994		ML
SA 1750	CLR	15			142.71	63	2709	995		ML
SA 1850	CLR	15			149.69	64	2701	997	/ 310	ML
SA 1946	CLR	12			154.64	63	3604	000		ML
SA 2050	CLR	10			163.68	63	0204	001		ML
SA 2150	CLR	10			166.68	63	3605	002	/117 86	ML
SA 2246	CLR	8			164.68	63	32106	003	/LAST	ML

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R12HV Nddff 10TTT 20TdTd 3PoPoPoPo 4PPPP 5pppp 6RRR1R 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-684-008/8010

ME 1-100 (18-93)

~~SUPERSEDES MF1-106 (1-67) WHICH MAY BE USED.~~

U.S. GPO 1983-0-784-000-0000

SURFACE WEATHER OBSERVATIONS

DATE SEP 29 1987

TO CONVERT LST TO GMT
ADD 8 hrs. SUBTRACT

TIME	TIME LOCAL	SEA AND CEILING 7-1-2008 11:20 AM	VISIBILITY Miles		WEATHER AND OBSERVATIONS TO VISION	SEA LEVEL PRESS. mm.	TEMP AIR	DEW POINT	WIND		WAVE PERIOD	WAVE DIRECTION	REMARKS AND SUPPLEMENTAL CODED DATA	REMARKS
			SMALLER	LARGER					DIR	SPD				
SA 0547		CLR	5		FM	163	65	62	30	30	001	02		2LW
SA 0548		-X 250 -BKN	3		FM	166	65	63	26	36	002	FM1 VSBY SW-NW 1/2 SE 4		2LW
SA 0652		-X 250 SCT	3		FM	173	67	64	27	34	004	FM1 VSBY W-NW 2 1/2 3/4		2LW
												1001		
SA 0751		-X 110 SCT 250 SCT	4		HK	173	71	64	28	33	004	HK1		2LW
SA 0854		-X 110 SCT 250 SCT	4		HK	173	75	64	01	34	004	HK1		2LW
SA 0950		-X 250 SCT	4		HK	169	80	64	30	03	003	HK1 / 803 1001 62		2LW
SA 1053		-X 60 SCT 120 SCT 250 SCT	4		HK	166	83	64	24	03	002	HK1 MDT CU DNT N-NE		2LW
SA 1149		250 SCT	5		HK	159	83	65	18	08	000	MDT CU DNT N-NE		2LW
SA 1249		250 SCT	7			152	87	62	28	10	998	MDT CU DNT N-NE / 220		2LW
												201		*717
SA 1349		250-SCT	10			146	86	63	29	09	996	TCU N-NE		ML
SA 1449		250-SCT	15			142	85	58	26	09	995	TCU NW-NE		ML
SA 1550		250-SCT	13			135	81	56	26	12	993	TCU N-NE / 17		ML
SA 1649		120 SCT 250-SCT	13			139	78	60	31	08	991			ML
SA 1747		250-SCT	15			142	74	62	30	10	995			ML
SA 1850		120 SCT 250-SCT	15			142	71	63	30	08	995	/ 107 103		ML
SA 1949		ELSO BKN	15			149	70	63	31	08	997			ML
SA 2050		120 SCT	15			152	70	63	32	06	998			ML
SA 2149		120 SCT	15			152	70	64	29	06	998	/ 110 1070 57		ML
SA 2246		120 SCT	16			152	69	64	30	06	998	/ LAST		ML

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IRIxHVY Hddff 1s₀TTT 2s₀TdTdTd 3P₀P₀P₀P₀ 4PPPP 5pppp 6RRRr₀ 7wwWlW₂ 8N₀CLC₀CH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-62) WHICH MAY BE USED.

* U.S. GPO: 1963-0-284-005-5010

* U S GPO : 1983-0-784-024-0200

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE SEP 30 1987	
				TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS	
TIME LOCAL	SKY AND CEILING Height of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Inches	TEMP Air F
TYPE 1-5		Surface Feet			
WIND Dir Speed Gust	WIND Dir Speed Gust	WIND Dir Speed Gust	WIND Dir Speed Gust	WIND Dir Speed Gust	WIND Dir Speed Gust
REMARKS AND SUPPLEMENTAL CODED DATA					
SA0447	CLR	4	FH	135.65	63
SA0548	100 SCT	4	FH	139.66	63
SA0652	E100 BKN	4	HK	142.70	64
SA0751	100 SCT	4	HK	142.74	63
SA0853	-X 100 SCT	4	HK	142.80	63
SA0950	-X 100 SCT	3	HK	142.81	65
SA1052	-X 100 SCT	3	HK	139.82	65
SA1149	-X 100 SCT	4	HK	135.89	65
SA1249	CLR	7		129.89	63
SA1344	CLR	8		119.82	62
SA1444	CLR	10		112.85	59
SA1548	100 SCT	12		112.79	61
SA1649	120 SCT	12		112.77	62
SA1751	120 SCT	15		115.74	60
SA1842	120 SCT	13		115.74	59
SA1946	110 SCT	15		125.73	62
SA2048	110 SCT	15		129.71	64
SA2150	110 SCT	15		132.70	64
SA2246	110 SCT	15		129.69	64

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII. 1101 1815hVV Nddff 10nTTT 20nTdTdD 3PoPoPoPo 4PPPP 5pppp 6RRRr 7wwW1W2 8MhCLCmCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-884-009/010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS												DATE SEP 30 1987				To convert LST to GMT ADD 8 hrs. SUBTRACT _____ hrs.					
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA										TOTAL OBS- CURED SKY COVER	PRES- SURE TEND- ENCY	WET BULB CHANG- E (In.)	WIND- SPEED (In.)	WIND- DIRECTION (In.)	
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
00																					
01																					
02																					
03																					
04	47	29.840			0										0						
05	48	29.900			3										3						
06	52	29.905			6	6	AC	E100							6	1	0.0				
07	51	29.910			4										4						
08	53	29.910			3										3						
09	50	29.910			4	2	M	-	2	AC	100	4			4	1	0.05				
10	52	29.900			3										3						
11	49	29.890			3										3						
12	49	29.870			0	0	CU	60							0	7	0.40				
13	49	29.840			0										0						
14	49	29.820			0										0						
15	49	29.820			2	0	CU	60	2	AC	100	2			2	6	0.50				
16	49	29.820			3										3						
17	52	29.825			3										3						
18	48	29.830			2	2	AC	120							2	3	0.10				
19	46	29.860			2										2						
20	48	29.870			3										3						
21	50	29.875			3	3	AC	110							3	1	0.45				
22	46	29.870			3										3						
23																					
24																					

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GST)	NO.	PRESS. (In.)	WIND SPEED (In.)	WIND DIRECTION (In.)	WIND GUST (In.)	WIND SHEAR (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)	WIND TEND- ENCY (In.)
01	05:25	1	0	0	70	65											
02	0444	1	0	0	70	65											
03	0444	1	0	0	83	65											
04	0948	1	0	0	90	74											
05	1545	1	0	0	90	70											
06	2145	1	0	0	90	70											
07	2300	1	0	0	70	69											

SUMMARY OF DAY (2300P TO 2300P)										WEATHER & OBSTRUCTIONS TO VISION									
24-HR. WIND SPEED (In.)	24-HR. WIND DIRECTION (In.)	24-HR. WIND GUST (In.)	24-HR. WIND TEND- ENCY (In.)	24-HR. WIND TEND- ENCY (In.)	24-HR. WIND TEND- ENCY (In.)	24-HR. WIND TEND- ENCY (In.)	24-HR. WIND TEND- ENCY (In.)	24-HR. WIND TEND- ENCY (In.)	24-HR. WIND TEND- ENCY (In.)	TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
90	65	0	0	0	18	W	1443			F	CONT	0635	H	CONT	1230				
										K	0635	1230							

TIME: SUNRISE				SUNSET			
TOTAL CLOUDS	WIND- SPEED	WIND- DIRECTION	WIND- TEND- ENCY	TOTAL CLOUDS	WIND- SPEED	WIND- DIRECTION	WIND- TEND- ENCY
TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1530P @ 1 Sec.							

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related basic observation.

MF1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE OCT 1 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT _____ HRS
TIME Z	TYPE	SKY AND CEILING Hundreds of Feet 31	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. IN.	TEMP. AIR	DEW POINT	WIND		ALTIM. ETER SETTING IN.	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
			STAT	UNCOR					DIRECT	SPEED			
0740	SA	CLR	5		H	122.66	63	36	03		989	65	RLW
0847	SA	CLR	5		H	125.66	63	00	00		990	FEW AC N	RLW
0953	SA	CLR	4		HK	129.69	64	31	03		991	FEW AC N/ 307 1070	RLW
1052	SA	CLR	4		HK	132.74	65	26	04		992		RLW
1151	SA	CLR	4		HK	132.81	64	30	05		992	FEW SML CU DSNT N	RLW
1250	SA	CLR	4		HK	129.88	62	28	06		991	MOT CU DSNT N-NE	RLW
												000 1200 65	
1051	SA	CLR	5		HK	129.91	63	28	08		991	TCU DSNT N-NE AND E	RLW
1149	SA	CLR	6		HK	125.89	61	28	11		990	CB DSNT NE TCU N-E	RLW
1249	SA	CLR	8			115.89	60	28	11		987	CB DSNT NW AND NE	RLW
												TCU NW-NE AND E	
												814 1900	
1349	SA	200 SCT	10			112.92	56	28	11		986	CB NW AND NE TCU NW-E	RLW
1449	SA	200 SCT	14			108.97	55	27	14		985	CB DSNT NE AC NW	RLW
1551	SA	150 SCT	15			108.98	55	27	18		985	CB DSNT NE AND E	RLW
												667 1960 92	
1649	SA	150 SCT	15			105.79	59	27	10		989		RLW
1749	SA	CLR	20			109.76	60	32	06		989	FEW AC	RLW
1850	SA	CLR	20			115.74	60	33	04		987	1305	RLW
1947	SA	CLR	20			119.73	60	00	00		988		RLW
2044	SA	CLR	20			125.72	61	00	00		990		RLW
2150	SA	CLR	15			124.71	63	07	00		991	1215 92	RLW
2246	SA	CLR	15			132.69	63	05	03		992	1645	RLW

FM12-VII: IIIII I R Z h V V N d d f f 1 a 0 T T T 2 a 0 T d T d T d 3 P o P o P o P o 4 P P P P 5 a p p p 6 R R R R 7 w w W 1 W 2 8 M h C L C M C H plus regional and national data groups.

SUPERSEDES MF 1-10-11-82 WHICH MAY BE USED.

U.S.G.P.O. 1983-0-884-008/810

U S GPO 1963-0-784-000-0000

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE OCT 2 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT
TIME Z	TYPE	SKY AND CEILING Hundred Feet	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm	TEMP DB	DEW PT	WIND		ALTIM ETER SET TING	REMARKS AND SUPPLEMENTAL CODED DATA	OF REMARKS
			Surface	Lower					Dir	Spd			
0447	SA	CLR	5		FH	135.65	63	00	00		993	64	2LW
0547	SA	CLR	4		FH	139.66	63	09	04		994		2LW
0651	SA	CLR	4		FH	146.68	64	13	04		996	312	2LW
0753	SA	CLR	5		HK	152.72	64	00	00		998		2LW
0853	SA	CLR	6		HK	152.74	64	36	04		998		2LW
0950	SA	CLR	6		HK	156.84	61	00	00		999	310 64	2LW
1054	SA	CLR	6		HK	152.82	66	17	09		998		2LW
1149	SA	CLR	7			149.83	65	17	08		997	FEW SML CU N-E	2LW
1249	SA	CLR	7			142.86	61	20	07		995	FEW CU N-E/314 111L ML	2LW
1346	SA	CLR	8			139.93	58	27	09		994	FEW CU NW-N-E	2LW
1446	SA	CLR	12			139.87	61	27	11		994	FEW CU NW-N-E	2LW
1550	SA	CLR	14			135.83	58	29	09		993	FEW CU N-NE/207110 93 AD	AD
1648	SA	CLR	14			139.79	60	29	06		994	FEW CU N-NE	AD
1747	SA	CLR	15			142.77	57	30	11		995	FEW AL NW-N-E	AD
1852	SA	150 SCT	14			144.74	59	23	03		997	312 1030	AD
1947	SA	150 SCT	14			156.74	63	12	03		999		AD
2048	SA	CLR	12			159.70	62	01	04		000		AD
2150	SA	CLR	12			156.71	60	31	05		999	008 93	AD
2249	SA	CLR	10			156.70	61	28	05		999	LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1112 HVV Nddff 10n TTT 20n Td Td 3P0P0P0P0 4PPPP 5appp 6RRRr 7wwW1W2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S. GPO: 1983-0-884-000/010

U.S. GPO: 1983-0-794-004/8200

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)								
SURFACE WEATHER OBSERVATIONS				DATE OCT 3 1987								
				TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u> </u> HRS								
TIME FLY	SKY AND CEILING Hundred Feet 3)	VISIBILITY Miles 4) 5)	WEATHER AND OBSTRUCTIONS TO VISION 6)	SEA LEVEL PRESS. 7)	TEMP 8)	DEW PT 9)	WIND DIRECTION 10)	SPEED 11)	WAVE 12)	ALTITUDE 13)	REMARKS AND SUPPLEMENTAL CODED DATA 14)	CORRECTION 15)
SA 0454	CLR	15		159	65	66	00	00	00	00	164	MTS
SA 0546	CLR	8		163	65	66	00	00	00	00		MTS
SA 0647	CLR	8		166	65	61	00	00	00	00	134	MTS
SA 0748	CLR	5	HT	169	75	61	00	00	00	00		MTS
SA 0850	CLR	4	HT	169	83	59	34	04	00	00		MTS
SA 0952	CLR	6	HT	173	91	55	00	00	00	00	105 E-4	MTS
SA 1046	CLR	5	HT	166	99	53	00	00	00	00		MTS
SA 1152	CLR	15		159	109	46	18	05	999	100	100	MTS
SA 1250	B0 SCT	15		149	103	44	20	09	997	100	100	MTS
SA 1347	B0 SCT	20		142	102	41	21	10	995	100	100	MTS
SA 1453	B0 SCT	6	HT	139	99	54	27	08	994	100	100	MTS
SA 1551	120 SCT	8		135	99	49	25	06	993	100	100	MTS
SA 1651	CLR	12		139	90	53	29	08	994	100	100	MTS
SA 1749	180 SCT	15		142	88	49	30	06	995	100	100	MTS
SA 1848	CLR	15		149	86	51	32	05	997	100	100	MTS
SA 1949	CLR	15		156	81	55	27	05	999	100	100	MTS
SA 2047	CLR	15		159	79	55	00	00	000	100	100	MTS
SA 2150	CLR	15		159	77	57	00	00	000	100	100	MTS
SA 2247	CLR	15		159	76	55	31	05	000	100	100	MTS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IRzhVV Mddff 1aTTT 2aTdTd 3PoPoPo 4PPPP 5appp 6RRRR 7wwW1W2 8HhCLCMCH plus regional and national data groups.

SUPERSEDES MP1-10A (1-62) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-094-008/010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL WEATHER SERVICE NOAA										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)											
SURFACE WEATHER OBSERVATIONS										DATE OCT 3 1987					To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.								
TIME (LST)		STATION PRESSURE (In.)	DIR. SUN (°)	WE. SUN (°)	REL. HUMID. (%)	TOTAL SAT. COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SAT. COVER	PRES. SURE END CHARGE (In.)	NET SUN CHARGE (In.)	SUN- SHINE (In.)	PRECIP. FALL (In.)
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER							
AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT						
00																							
01																							
02																							
03																							
04	57	29.95				0									0								
05	49	29.95				0									0								
06	47	29.95				0									0	3	.040						
07	49	29.95				0									0								
08	55	29.95				0									0								
09	50	29.95				0									0	1	.015						
10	46	29.95				0									0								
11	52	29.95				0									0								
12	50	29.93				1	1	CU	80						1	8	.065						
13	47	29.91				1									1								
14	53	29.90				1									1								
15	57	29.89				1	1	AC	120						1	7	.040						
16	57	29.89				0									0								
17	49	29.91				2									1								
18	48	29.93				0									0	3	.040						
19	49	29.94				0									0								
20	47	29.96				0									0								
21	50	29.96				0									0	1	.030						
22	47	29.95				0									0								
23																							

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND SPEED (Kts)	STATE OF SKY	1	2	3	4	5	6	7	8	9
01	0500	41	0	0	0	70	64	XX									
	0600	41	0	0	0	71	64	XX									
	0700	41	0	0	0	92	65										
	0800	41	0	0	0	105	91										
	0900	41	0	0	0	100	76										
	1000	41	0	0	0	77	75	XX									

SUMMARY OF DAY (2300F TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION				
24-HR. WIND SPEED (Kts)	24-HR. WIND TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (Kts)	24-HR. WIND TEMP. (°F)	24-HR. WIND DIRECTION	24-HR. WIND SPEED (Kts)	24-HR. WIND TEMP. (°F)	24-HR. WIND DIRECTION	24-HR. WIND SPEED (Kts)	24-HR. WIND TEMP. (°F)	24-HR. WIND DIRECTION	24-HR. WIND SPEED (Kts)	24-HR. WIND TEMP. (°F)	24-HR. WIND DIRECTION
105	64	0	0	0	13	W	1440									

TIME: SUNRISE		TIME: SUNSET	
TOTAL CLOUDS	MIN.	PERCENT OF CLOUDS	PERCENT OF CLOUDS
PARTIAL OBSERVED	OR PARTIAL	OR PARTIAL	OR PARTIAL
TIME CHECK - CLOCK AT: 0500P ± 0Sec. 0430P ± 0Sec. 1100P ± 0Sec.			
1/ LAST OF SEVERAL OCCURRENCES			
SP=			
RS=			

MF 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE OCT 4 1987	
				TO CONVERT LST TO GMT ADD -8 HRS SUBTRACT HRS.	
TIME Z	SKY AND CEILING Hundreds of Feet 31	VISIBILITY Miles SURFACE 1 40 TOWER 2	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. INCHES 6	TEMP OF AIR 7 SURFACE 8 SEA 9 DEW POINT 10 WIND DIRECTION 11 SPEED 12 CHARACTER 13 WIND DIRECTION 14 SPEED 15 CHARACTER 16 WIND DIRECTION 17 SPEED 18 CHARACTER 19 WIND DIRECTION 20 SPEED 21 CHARACTER 22
0447	CLR	25		152.70	60.00
0547	CLR	50		156.68	32.03
0647	CLR	50		154.72	32.04
0747	CLR	50		163.80	33.04
0847	CLR	40		163.90	38.07
0947	CLR	50		154.97	32.00
1047	CLR	50		156.99	32.04
1147	CLR	50		146.12	37.08
1247	CLR	50		139.12	36.08
1347	CLR	50		129.10	37.10
1447	CLR	50		125.10	37.10
1547	CLR	20		119.96	38.12
1647	CLR	20		119.92	40.10
1747	CLR	20		129.85	45.06
1847	CLR	20		132.85	46.05
1947	CLR	20		135.83	44.03
2047	CLR	20		142.77	48.04
2147	CLR	15		142.76	51.03
2247	CLR	15		142.74	54.03

A synoptic observation using WMO code FM12-VII, as described in FM12-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R12HV Nddff 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRR1R 7aWW1W2 8aHCLCMCH plus regional and national data groups.
SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED. U.S.GPO:1983-0-084-008/8010

U.S. GPO: 1953-0-734-004-0000

MP1-10A 5-831		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE OCT 5 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 0 HRS
TIME ZULU	TYPE	SKY AND CLOUDS Hundredths of Sky	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. AIR DEW POINT SURFACE WIND SPEED DIRECTION	WIND SPEED DIRECTION	WIND SPEED DIRECTION	WIND SPEED DIRECTION	WIND SPEED DIRECTION	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
			STATUTE	NAUTICAL									
0047	SA	CLR	10			135	67	58	28	06	993	65	SKW
0048	SA	CLR	10			137	68	58	28	04	994		SKW
0052	SA	CLR	10			142	73	56	00	00	995	303	SKW
0057	SA	CLR	6		HK	146	78	57	15	05	996		SKW
0053	SA	CLR	6		HK	149	80	56	14	07	997		SKW
0050	SA	80 - SCT	8			149	80	60	17	08	997	K80 - SCT / 107 65	SKW
0051	SA	80 - BKN	8			146	82	60	17	07	996	K80 - BKN	SKW
0101	SA	80 - BKN	8			139	82	63	20	06	994	K80 - BKN	SKW
0109	SA	80 - BKN	10			129	83	63	18	08	991	K80 - BKN / 820	SKW
0134	SA	80 - BKN	10			122	80	65	17	09	989	K80 - BKN	SKW
0144	SA	80 - SCT	11			119	78	65	17	09	988	K80 - SCT	SKW
0153	SA	80 - SCT	9			114	77	64	16	08	988	K80 - SCT / 612 94	SKW
0147	SA	80 - SCT	9			115	75	65	14	08	987	K80 - SCT / 44 44 24	SKW
0150	SA	80 - SCT	15			115	72	65	16	06	987	K80 - SCT	SKW
0153	SA	80 - SCT	15			122	71	66	16	06	989	K80 - SCT / 305	SKW
0148	SA	CLR	15			124	70	67	15	07	991		SKW
0154	SA	CLR	15			135	67	65	15	09	993	FEW SC.	SKW
0203	SP	35 LT	4	25	F				14	08	993	1ST INCLD 1STLY 50 1ST 1ST	SKW
0209	SP	M 3 BKN	2		F				14	07	993	1ST INCLD 1STLY 1ST	SKW
0230	SP	M 3 OVC	1		F				16	08	994		SKW
0251	SA	M 2 OVC	1		F	139	67	66	13	07	994	1217 1611 22	SKW
0246	SA	M 3 OVC	1		F	139	67	65	12	04	994	LAST	SKW

A synoptic observation using WMO code FM12-VII, as described in FM12-2, is entered on line following related Basic observation.

FM12-VII. III: rghVV Nddff 1stTTT 2ndTdTd 3P0P0P0P0 4PPPP 5pppp 6RRRr 7wwwW2 8MhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-086-008/8010

WFI-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE OCT 5 1987	
				To convert LST to GMT ADD -8 hrs. SUBTRACT hrs.	
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER
16	17	18	19	20	21
00					
01					
02					
03					
04	29.890				0
05	29.900				0
06	29.910				0
07	29.920				0
08	29.930				0
09	29.930				0
10	29.920				2 K 80
11	29.900				8
12	29.870				8 K 80
13	29.850				9
14	29.840				5
15	29.835				2 K 80
16	29.825				3
17	29.830				2
18	29.850				1 K 80
19	29.870				0
20	29.895				0
21	29.900				10 ST M2
22	29.900				10
23					

SYNOPTIC OBSERVATIONS														
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	REL. TEMP. (°F)	WIND TEMP. (°F)	STATE OF SKY	10	11	12	13	14	15
0444	1200	1	0	0	0	74	65							
0444	1	0	0	0	0	76	65							
0748	1	0	0	0	0	80	66							
1545	1	0	0	0	0	84	77							
2145	1	0	0	0	0	77	67							
2300	1	0	0	0	0	67	67							

STATION PRESSURE COMPUTATIONS									
TIME (LST)	29	30	31	32	33	34	35	36	37
0749	1546	2146							
ATT. THERM.									
OBSERV. BAR.									
TOTAL COR.									
STATION PRESS.	29.930	29.815	29.900						
WIND COR.	29.930	29.840	29.890						
BAR. COR.	0	-0.005	+0.010						

SUMMARY OF DAY (2300P TO 2300P)									
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (Kts.)	24-HR. WIND DIR. (°)	24-HR. WIND GUST (Kts.)	24-HR. WIND CHG. (°)	24-HR. WIND SQUALL (Kts.)
84	65	0	0	0	13	SE	20	14	

WEATHER & OBSTRUCTIONS TO VISION									
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
H	0723	0930							
K	0723	0930							
E	2090	2100							

TIME: SUNRISE				SUNSET			
TOTAL DURATION (MIN.)	PERCENT OBSERVABLE	CHARACTER OF SUNSET	CHARACTER OF SUNSET				
0500	0500	0500	0500				

TIME CHECK - CLOCK AT: 0500				± 0 Sec. 1020				± 0 Sec. 1530				± 0 Sec. 1530			

SP=			
RS=			

MPT-10A 5-83		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE OCT 6 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT
TIME Z	TIME GMT	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP. AIR DEW POINT SURFACE WIND DIRECTION SPEED KNOTS WIND WAVE HEIGHT PERIOD WIND WAVE PERIOD	ALTITUDE FEET SLT TYPING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION INCHES			
			STATUTE	NAUTICAL									
SA 0447		W2X	3/8		F	135	64	63	13	03	993	VSBY N-NE 1/2 / 63 2LW	
SA 0549		W2X	3/8		F	137	63	63	13	05	994	VSBY NW-NE 1/2 TOPS 006 2LW	
SP 0637		-X M3 OVC	1/2		F				18	05	995	F4 CIG RG-D VSBY 2LW	
SA 0651		-X M3 OVC	1/2		F	172	64	63	18	04	995	N 3/4 TOPS 007 2LW	
SP 0720		-X M3 OVC	3/4		F				15	04	996	F4 CIG RG-D VSBY 2LW	
SP 0713		-X M3 OVC	1		F				16	05	996	F3 CIG RG-D 2LW	
SP 0735		-X M4 OVC	1/4		F				22	03	997	F3 CIG RG-D 2LW	
SA 0753		-X M4 OVC	1/4		F	149	66	63	23	03	997	F3 CIG RG-D VSBY NW 1/2 2LW	
SP 0759		-X M5 OVC	1/4		F				25	03	997	F3 CIG RG-D VSBY NW 1/2 2LW	
SP 0809		-X M6 OVC	1/2		FH				25	03	997	FH3 CIG RG-D BKN OVC 2LW	
SP 0820		-X M6 BKN 250 OVC	2		FH				22	04	998	FH2 CIG RG-D 2LW	
SP 0834		-X 6 SCT E250 BKN	2		FH				16	04	998	FH1 VSBY W-N 2 1/2 2LW	
SA 0849		-X 6 SCT E250 OVC	2		HK	152	67	62	17	03	998	HK1 VSBY W-N 2 1/2 2LW	
SP 0908		-X 6 SCT E250 BKN	2 1/2		HK				17	05	999	HK1 VSBY NW-NW SE 2 1/2 2LW	
SP 0929		-X E250 BKN	3		HK				19	07	999	HK1 2LW	
SA 0950		E250 BKN	4		HK	156	71	63	16	06	999	FEW ST SE-S / 114 2LW	
SA 1054		E250 BKN	6		HK	152	72	63	16	05	998	1602 63 2LW	
SA 1151		E250 BKN	7			146	78	62	17	03	996	2LW	
SA 1249		E250 BKN	7			142	78	63	17	07	995	VSBY LWR NW / 614 2LW	
SA 1347		250 SCT	7			132	77	64	18	06	992	1002 2LW	
SA 1449		250 - BKN	6		H	129	77	65	17	09	991	AD	
SA 1547		250 - SCT	6		H	129	78	64	16	06	991	1615 1001 79 2LW	
SA 1654		250 - SCT	6		H	124	76	64	24	06	991	1615 1001 79 2LW	
SA 1752		CLR	15			124	72	61	27	06	991	15C DSNT W FEW 1 1/2 1LW	
SA 1837		CLR	15						28	08	993	1ST W NR 7 HND FT 1LW	
SA 1953		7 SCT	13			135	69	65	28	06	993	1307 1600 2LW	
SA 2047		7 SCT	10			139	69	65	31	00	994	2LW	
SA 2150		7 SCT	9			142	67	64	28	08	995	1615 1001 79 2LW	
SA 2246		7 SCT 250-SCT	6		F	146	65	63	23	06	996	1615 1001 79 2LW	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R12HVV Nddff 1aTTT 2aTdTdTd 3PoPoPoPo 4PPPP 5aPPP 6RRRR 7aWWW 8NHC LCMCH plus regional and national data groups.

SUPERSEDES MPT-10A (11-82) WHICH MAY BE USED.

U.S. GPO: 1983-0-084-008/010

• U S GPO 1983-0-784-008-9089

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS										DATE OCT 7 1987	
										TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 12 HRS	
TIME Z	TYPE	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mm Hg	TEMP °F	DEW PT °F	WIND		REMARKS AND SUPPLEMENTAL CODED DATA
			Statute	Nautical					Direction	Speed	
0448	SA	MR OVC	4		F	142	66	63	10	04	995 / CIG RGD / 65
0517	SP	MT OVC	4		F				13	04	996 / CIG RGD
0551	SA	-X MT OVC	3		FH	149	66	62	07	03	997 / FHI CIG RGD TOPS 015
0613	SP	-X MR OVC	3		FH				30	03	997 / FHI CIG RGD BIN OVC
											VSBY SE 1/2
0641	SP	-X MIO OVC	3		FH				30	05	997 / FHI CIG RGD BIN OVC
0654	SA	-X MIO OVC	3		FH	152	66	62	28	06	998 / FHI CIG RGD BIN OVC
											310 16/1
0734	SP	-X MII OVC	2 3/4	2	HK				30	04	999 / HKI SFC VSBY 3 CIG
											RGD
0752	SA	-X MII OVC	2 1/2	2	HK	157	68	62	28	07	000 / HKI SFC VSBY 2 1/2
											CIG RGD
0847	SA	-X MIB OVC	2 1/2	2	HK	163	70	62	24	04	001 / HKI SFC VSBY 2 1/2
											CIG RGD 5ML BIN OVC
0922	SP	-X S SCT	2 1/2	2	HK				26	04	001 / HKI SFC VSBY 2 1/2
											SCT V 8KN
0941	SP	-X	3		HK				00	00	001 / HKI SFC VSBY SE 2 1/2
0950	SA	-X	3		HK	163	73	62	19	05	001 / HKI SFC VSBY SE 2 1/2
											110 65
1053	SA	CLR	5		HK	159	75	63	17	08	000 / VSBY LWR SE
1153	SA	CLR	7			152	76	63	16	08	998
1247	SA	CLR	12			146	76	62	16	09	976 / 719
1344	SA	CLR	15			139	81	60	27	09	994
1449	SA	CLR	15			135	78	60	29	07	993
1549	SA	CLR	14			132	75	61	28	09	992 / SC DINT W / 712 1500 81
1649	SA	CLR	14			132	72	62	29	08	992 / SC DINT W
1747	SA	CLR	10			132	68	62	29	09	992 / SC W-N
1849	SA	CLR	10			135	67	62	29	06	993 / SC SW-NW / 303 1500
1950	SA	CLR	8			139	67	62	29	05	994 / FE W SC W-NW
2047	SA	CLR	8			142	67	61	28	06	995 / SC SW-NW
2149	SA	CLR	8			146	65	61	27	06	996 / FE W SC W-NW / 108
											1500 81
2247	SA	CLR	8			146	65	61	00	00	996 / SC DINT SW-W LAST

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1100 1R12HVV Nddff 1a TTT 2a Td Td 3PoPoPoPo 4PPPP 5a ppp 6RRRr 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-008/0010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE OCT 7 1987										To convert LST to GMT ADD 2 hrs. SUBTRACT _____ hrs.									
CLOUDS AND OBSCURING PHENOMENA																													
TIME (LST)	STATION PRESSURE (In.)	DIR. WIND (Kts)	WIND SPEED (Kts)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER				SECOND LAYER				THIRD LAYER				FOURTH LAYER				TOTAL O-PAQUE SKY COVER	PRES. SURE TEND- CY	NET DNR. CHANGE (In.)	SUN- SHINE (In.)	PREC- IPITATION (In.)			
						AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	SUM- MA- TION TOTAL	AMT	TYPE	HEIGHT	SUM- MA- TION TOTAL	AMT	TYPE	HEIGHT	SUM- MA- TION TOTAL									
00																													
01																													
02																													
03																													
04	29.710				10																10								
05	29.730				10																10								
06	29.840				10	1	F	-	10	ST	MIS	10									10	3	.030						
07	29.860				10																10								
08	29.870				10																10								
09	29.870				1	1	H	-													1	1	.030						
10	29.860				0																0								
11	29.840				0																0								
12	29.815				0																0	7	.055						
13	29.800				0																0								
14	29.870				0																0								
15	29.880				0	0	SC	12													0	7	.035						
16	29.875				0																0								
17	29.880				0																0								
18	29.890				0	0	SC	12													0	3	.010						
19	29.900				0																0								
20	29.910				0																0								
21	29.915				0	0	SC	15													0	1	.025						
22	29.920				0																0								
23																													
24																													

SYNOPSIS OBSERVATIONS																						
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	REL. HUMIDITY (%)	WIND TEMP. (°F)	STATE OF SKY														
01	2300	01	0	0	0	66	65	XX	XX													
02	0445	1	0	0	0	66	65															
03	0948	2	0	0	0	73	65															
04	1547	3	0	0	0	81	73															
05	2147	4	0	0	0	75	65															
06	2300	5	0	0	0	65	65	XX	XX													

SUMMARY OF DAY (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION									
24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	24-HR. WIND TEMP. (°F)	TYPE BEGAN ENDED	TYPE BEGAN ENDED	TYPE BEGAN ENDED	TYPE BEGAN ENDED	TYPE BEGAN ENDED	TYPE BEGAN ENDED	TYPE BEGAN ENDED	TYPE BEGAN ENDED	TYPE BEGAN ENDED	TYPE BEGAN ENDED
66	65	0	0	0	0	14	W	1359				F	CONT	0722							
81	65	0	0	0	0	14	W	1359				H	0530	1140							
												K	0722	1140							

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.											

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)									
SURFACE WEATHER OBSERVATIONS				DATE OCT 8 1987									
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 0 HRS.									
TIME Z	TYPE	SKY AND CEILING Hundreds of Feet SI	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES SI	TEMP. AIR DEW POINT SURFACE WIND DIRECTION SPEED IN KNOTS SI	WIND DIRECTION SPEED IN KNOTS SI	ALTIMETER SETTING INCHES SI	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER		
			STATUTE	METRIC									
1447	SA	M13 OVC	5		H	139	66	61	14	04	994	CLG RG-D / 64	BLW
0550	SA	M14 OVC	5		H	142	67	60	15	05	995	CLG RG-D TOPS 323	BLW
0625	SP	M15 OVC	5		H				00	00	995	CLG RG-D	BLW
0651	SA	M15 OVC	6		H	142	67	60	17	05	995	103 1511	BLW
0704	SA	M16 OVC	6		H	142	67	59	15	05	995	TOPS 323	BLW
0852	SA	M18 OVC	6		H	146	68	59	00	00	996		BLW
0950	SA	M21 OVC	6		H	146	70	59	06	04	996	3100VC SE TOPS 325	BLW
												103 1511 64	
1048	SA	M21 BKN	7			146	73	60	15	09	996	FEW LWR SC	BLW
1138	SP	22 SCT	7						17	09	995	SCT V TEN	BLW
1149	SA	20 SCT	10			142	72	60	18	07	995		BLW
1249	SA	CLR	12			135	73	60	18	07	993	FEW SC / 812 1500	AD
1349	SA	CLR	12			129	72	59	19	06	991		AD
1449	SA	CLR	12			125	72	59	20	06	990		AD
1551	SA	CLR	12			125	70	60	18	06	990	608 73	AD
1645	SA	CLR	12			125	69	60	15	06	990	FEW SC SE-S	AD
1747	SA	CLR	12			125	67	61	16	05	990	IFEW SC W	AD
1851	SA	CLR	8			129	67	61	17	05	991	303	AD
1924	L	15 SCT	8						15	05	992		AD
1948	SA	15 SCT	8			132	66	61	13	04	992		AD
2049	SA	CLR	8			139	65	61	11	03	994	SC DSNT SW-W	AD
2149	SA	11 SCT	7			142	64	60	00	00	995	112 1500 73	AD
2202	SP	M12 OVC	7						00	00	995	THN SPOTS 10VC	AD
2248	SA	M14 BKN 20 OVC	7			146	66	61	02	03	996	LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMN-2, is entered on line following related Basic observation.

FM12-VII: 1111 1111VV Nddff 10nTTT 20nTdTdD 3P0P0P0P0 4PPPP 5pppp 6RRRR 7wwW1W2 8NnCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-82) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-084-008/0010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE OCT 8 1987	
				To convert LST to GMT ADD 8 hrs. SUBTRACT	
TIME (LST)	STATION PRESSURE (In.)	DRY BULB (F)	WET BULB (F)	REL. HUMIDITY (%)	TOTAL CLOUD COVER
00					
01					
02					
03					
04 47	29.930			10	
05 50	29.910			10	
06 51	29.910			10	10 SC MIS
07 54	29.910			10	
08 52	29.920			10	
09 50	29.920			10	10 SC M21
10 48	29.915			7	
11 49	29.910			4	
12 49	29.855			0	0 SC 20
13 49	29.825			0	
14 49	29.860			0	
15 51	29.860			0	
16 48	29.855			0	
17 47	29.860			0	
18 51	29.870			0	
19 48	29.860			1	
20 49	29.900			0	
21 49	29.905			2	2 SC 11
22 48	29.920			10	
23					

SYNOPTIC OBSERVATIONS														
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND DIR. (°)	WIND SPEED (MPH)	STATE OF SKY	1	2	3	4	5	6
01	2350	11	0	0	0	66	64	XX	XX					
	2444	1	0	0	0	66	64							
	0948	1	0	0	0	71	66							
	1548	1	0	0	0	73	70							
	2147	1	0	0	0	70	64							
	2350	11	0	0	0	66	64	XX	XX					

SUMMARY OF DAY OBSERVED TO 2300P (2300P TO 2300P)										STATION PRESSURE COMPUTATIONS			
30-HR. WIND SPEED (MPH)	30-HR. WIND DIRECTION (°)	30-HR. PRECIP. EQUIV. (In.)	30-HR. SNOWFALL EQUIV. (In.)	30-HR. SNOW DEPTH (In.)	30-HR. WIND SPEED (MPH)	30-HR. WIND DIRECTION (°)	30-HR. WIND SPEED (MPH)	30-HR. WIND DIRECTION (°)	30-HR. WIND SPEED (MPH)	TIME (LST)	TYPE	BEGAN	ENDED
66	64	0	0	0	14	5	1129						

WEATHER & OBSTRUCTIONS TO VISION									
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED				
H	CONT	1030							

REMARKS, HAZARD AND SPECIAL OBSERVATIONS			
TIME: SUNRISE	SUNSET		
TOTAL CLOUD COVER	PERCENT OF CLOUDS	CHARACTER OF CLOUDS	CHARACTER OF CLOUDS
TIME CHECK - CLOCK AT: 0500P	Q 1 Sec. / 1000P	Q 1 Sec. / 1600P	Q 1 Sec.

SP=	
RS=	

MP1-108 (10-83)

SUPERSEDES MP1-108 (10-83) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/008

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE OCT 9 1987	
				TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT	
TIME ILST	SKY AND CEILING Hundred Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. INCHES	TEMP DEW POINT F
2	3	4	5	6	7
8	9	10	11	12	13
14	15	16	17	18	19
20	21	22	23	24	25
26	27	28	29	30	31
32	33	34	35	36	37
38	39	40	41	42	43
44	45	46	47	48	49
50	51	52	53	54	55
56	57	58	59	60	61
62	63	64	65	66	67
68	69	70	71	72	73
74	75	76	77	78	79
80	81	82	83	84	85
86	87	88	89	90	91
92	93	94	95	96	97
98	99	100	101	102	103
104	105	106	107	108	109
110	111	112	113	114	115
116	117	118	119	120	121
122	123	124	125	126	127
128	129	130	131	132	133
134	135	136	137	138	139
140	141	142	143	144	145
146	147	148	149	150	151
152	153	154	155	156	157
158	159	160	161	162	163
164	165	166	167	168	169
170	171	172	173	174	175
176	177	178	179	180	181
182	183	184	185	186	187
188	189	190	191	192	193
194	195	196	197	198	199
200	201	202	203	204	205
206	207	208	209	210	211
212	213	214	215	216	217
218	219	220	221	222	223
224	225	226	227	228	229
230	231	232	233	234	235
236	237	238	239	240	241
242	243	244	245	246	247
248	249	250	251	252	253
254	255	256	257	258	259
260	261	262	263	264	265
266	267	268	269	270	271
272	273	274	275	276	277
278	279	280	281	282	283
284	285	286	287	288	289
290	291	292	293	294	295
296	297	298	299	300	301
302	303	304	305	306	307
308	309	310	311	312	313
314	315	316	317	318	319
320	321	322	323	324	325
326	327	328	329	330	331
332	333	334	335	336	337
338	339	340	341	342	343
344	345	346	347	348	349
350	351	352	353	354	355
356	357	358	359	360	361
362	363	364	365	366	367
368	369	370	371	372	373
374	375	376	377	378	379
380	381	382	383	384	385
386	387	388	389	390	391
392	393	394	395	396	397
398	399	400	401	402	403
404	405	406	407	408	409
410	411	412	413	414	415
416	417	418	419	420	421
422	423	424	425	426	427
428	429	430	431	432	433
434	435	436	437	438	439
440	441	442	443	444	445
446	447	448	449	450	451
452	453	454	455	456	457
458	459	460	461	462	463
464	465	466	467	468	469
470	471	472	473	474	475
476	477	478	479	480	481
482	483	484	485	486	487
488	489	490	491	492	493
494	495	496	497	498	499
500	501	502	503	504	505
506	507	508	509	510	511
512	513	514	515	516	517
518	519	520	521	522	523
524	525	526	527	528	529
530	531	532	533	534	535
536	537	538	539	540	541
542	543	544	545	546	547
548	549	550	551	552	553
554	555	556	557	558	559
560	561	562	563	564	565
566	567	568	569	570	571
572	573	574	575	576	577
578	579	580	581	582	583
584	585	586	587	588	589
590	591	592	593	594	595
596	597	598	599	600	601
602	603	604	605	606	607
608	609	610	611	612	613
614	615	616	617	618	619
620	621	622	623	624	625
626	627	628	629	630	631
632	633	634	635	636	637
638	639	640	641	642	643
644	645	646	647	648	649
650	651	652	653	654	655
656	657	658	659	660	661
662	663	664	665	666	667
668	669	670	671	672	673
674	675	676	677	678	679
680	681	682	683	684	685
686	687	688	689	690	691
692	693	694	695	696	697
698	699	700	701	702	703
704	705	706	707	708	709
710	711	712	713	714	715
716	717	718	719	720	721
722	723	724	725	726	727
728	729	730	731	732	733
734	735	736	737	738	739
740	741	742	743	744	745
746	747	748	749	750	751
752	753	754	755	756	757
758	759	760	761	762	763
764	765	766	767	768	769
770	771	772	773	774	775
776	777	778	779	780	781
782	783	784	785	786	787
788	789	790	791	792	793
794	795	796	797	798	799
800	801	802	803	804	805
806	807	808	809	810	811
812	813	814	815	816	817
818	819	820	821	822	823
824	825	826	827	828	829
830	831	832	833	834	835
836	837	838	839	840	841
842	843	844	845	846	847
848	849	850	851	852	853
854	855	856	857	858	859
860	861	862	863	864	865
866	867	868	869	870	871
872	873	874	875	876	877
878	879	880	881	882	883
884	885	886	887	888	889
890	891	892	893	894	895
896	897	898	899	900	901
902	903	904	905	906	907
908	909	910	911	912	913
914	915	916	917	918	919
920	921	922	923	924	925
926	927	928	929	930	931
932	933	934	935	936	937
938	939	940	941	942	943
944	945	946	947	948	949
950	951	952	953	954	955
956	957	958	959	960	961
962	963	964	965	966	967
968	969	970	971	972	973
974	975	976	977	978	979
980	981	982	983	984	985
986	987	988	989	990	991
992	993	994	995	996	997
998	999	1000	1001	1002	1003
1004	1005	1006	1007	1008	1009
1010	1011	1012	1013	1014	1015
1016	1017	1018	1019	1020	1021
1022	1023	1024	1025	1026	1027
1028	1029	1030	1031	1032	1033
1034	1035	1036	1037	1038	1039
1040	1041	1042	1043	1044	1045
1046	1047	1048	1049	1050	1051
1052	1053	1054	1055	1056	1057
1058	1059	1060	1061	1062	1063
1064	1065	1066	1067	1068	1069
1070	1071	1072	1073	1074	1075
1076	1077	1078	1079	1080	1081
1082	1083	1084	1085	1086	1087
1088	1089	1090	1091	1092	1093
1094	1095	1096	1097	1098	1099
1100	1101	1102	1103	1104	1105
1106	1107	1108	1109	1110	1111
1112	1113	1114	1115	1116	1117
1118	1119	1120	1121	1122	1123
1124	1125	1126	1127	1128	1129
1130	1131	1132	1133	1134	1135
1136	1137	1138	1139	1140	1141
1142	1143	1144	1145	1146	1147
1148	1149	1150	1151	1152	1153
1154	1155	1156	1157	1158	1159
1160	1161	1162	1163	1164	1165
1166	1167	1168	1169	1170	1171
1172	1173	1174	1175	1176	1177
1178	1179	1180	1181		

U.S. GPO 1983 O 754-028-0000

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE OCT 10 1987	TO CONVERT LST TO GMT ADD -8 HRS SUBTRACT
TIME (LST)	SKY AND CEILING Hundreds of Feet.	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. inches	TEMP inches	WIND				ALTIMETER SETTING inches	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
		Surface	Upper				Dir	Speed	Chang	Time			
SA 0450	M 16 CLC	3		H	163	63	59	00	00		001	/ 61	ML
SA 0550	M 16 CLC	3		H	166	64	60	19	03		002		ML
SA 0649	M 16 CLC	4		H	169	65	60	02	03		003	/ 214 1511	ML
SA 0750	M 16 CLC	4		H	173	66	59	03	03		004	/ TOPS 027	ML
SA 0850	M 16 CLC	5		H	176	68	58	02	05		005	/ DENSE CLWD	ML
SA 0912	17 SCT	5		H				07	04		005	/ SCT V BKN	ML
SA 0950	18 SCT	4		H	176	69	58	13	04		005	/ 107 1500 61	ML
SA 1049	CLR	5		H	176	75	59	16	05		005	/ FEW SC	ML
SA 1150	CLR	5		H	173	75	59	25	05		004		ML
SA 1249	CLR	6		H	163	75	59	19	09		001	/ 814	ML
SA 1354	CLR	6		H	159	73	59	18	10		000		2LW
SA 1452	CLR	7			159	77	59	25	07		000	/ WNC 17V31	2LW
SA 1550	CLR	8			156	75	59	29	05		999	/ 807 77	2LW
SA 1648	CLR	8			152	73	60	28	05		998		2LW
SA 1753	CLR	8			156	68	60	29	08		999		2LW
SA 1851	CLR	7			159	66	60	30	06		000	/ 303	2LW
SA 1949	CLR	6		H	163	66	60	30	05		001		2LW
SA 2047	CLR	5		H	163	65	60	28	05		001		2LW
SA 2150	CLR	5		H	166	63	59	28	04		002	/ 307 77	2LW
SA 2255	CLR	5		FH	169	63	59	34	03		003	/ LAST	2LW

A synoptic observation using WMO code FM12-VII, as described in FM12-VII, is entered on line following related Basic observation.

FM12-VII: IIIII 1212HVV Nddff 10nTTT 20nTdTdD 3PoPoPoPo 4PPPP 5pppp 6RRRrR 7wwW1W2 8HhCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-884-008/0010

MP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE OCT 10 1987										To convert LST to GMT ADD <u>5</u> hrs. SUBTRACT <u> </u> hrs.									
TIME (LST)	STATION PRESSURE (In.)	DPT BULB (°F)	WET BULB (°F)	REL HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES- SURE TEND- ENCY (In.)	WIND CHANG- E (In.)	WIND SPEED (In.)	PREC- IPITATION (In.)							
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER														
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT															
00																													
01																													
02																													
03																													
04	50	29.965			10										10														
05	50	29.980			10										10														
06	49	29.990			10	10	SC	MIL							10	2	0.40												
07	50	29.995			10										10														
08	50	29.910			10										10														
09	50	29.910			3	3	SC	18							3	1	0.20												
10	75	29.910			0										0														
11	50	29.925			0										0														
12	49	29.970			0										0	8	0.40												
13	54	29.960			0										0														
14	52	29.960			0										0														
15	50	29.950			0										0	8	0.20												
16	48	29.940			0										0														
17	53	29.950			0										0														
18	51	29.960			0										0	3	0.10												
19	49	29.965			0										0														
20	47	29.970			0										0														
21	50	29.980			0										0	3	0.20												
22	55	29.990			0										0														
23																													

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (°F)	WIND TEMP. (°F)	STATE OF SKY	31	32	33	34	35	36	37	38	39
2300	0447	1	0	0	0	65	61	XX									
0447	0947	1	0	0	0	65	61										
0947	1548	1	0	0	0	69	63										
1548	2148	1	0	0	0	77	69										
2148	2300	1	0	0	0	75	63										
2300		1	0	0	0	64	63	XX									

STATION PRESSURE COMPUTATIONS																	
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (°F)	WIND TEMP. (°F)	STATE OF SKY	31	32	33	34	35	36	37	38	39
2300	0447	1	0	0	0	65	61	XX									
0447	0947	1	0	0	0	65	61										
0947	1548	1	0	0	0	69	63										
1548	2148	1	0	0	0	77	69										
2148	2300	1	0	0	0	75	63										
2300		1	0	0	0	64	63	XX									

SUMMARY OF DAY RECORD TO RECORD (2300 P TO 2300 P)																	
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (In.)	24-HR. WIND TEMP. (°F)	24-HR. STATE OF SKY	24-HR. WIND SPEED (In.)	24-HR. WIND TEMP. (°F)	24-HR. STATE OF SKY	24-HR. WIND SPEED (In.)	24-HR. WIND TEMP. (°F)	24-HR. STATE OF SKY	24-HR. WIND SPEED (In.)	24-HR. WIND TEMP. (°F)	24-HR. STATE OF SKY	24-HR. WIND SPEED (In.)
66	61	0	0	0	14	5	1239										

WEATHER & OBSTRUCTIONS TO VISION																	
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED												
H	1430																
H	1718																
F	2230																

REMARKS (REMARKS AND OBSERVATIONS)																	
TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.																	

MP1-108 (10-83)

SUPERSEDES MP1-108 (1-83) WHICH MAY BE USED.

U.S.G.P.O. 1983-0-764-008/008

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE OCT 11 1987	TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT
TIME Z	TIME LOCAL	SKY AND CEILING Hundred Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. hPa	TEMP. °F	DEW PT. °F	WIND		ALTIMETER SET TING	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION TO SETTING
			Surface	Other					Dir	Spd			
SA	0450	-X	1 1/2		FH	169	60	59	14	04	003	/FH 2 60	ML
SA	0549	-X 100 SCT	1 1/2		FH	169	60	58	14	03	003	/FH 2	ML
SA	0650	-X E 50 BKN 50 BKN	1 1/2		FH	169	59	58	03	03	003	/FH 1 / 103 1070	ML
SP	0714	-X 80 SCT 150 SCT	2 1/2		HK				11	03	005	/HK 1	ML
SA	0750	-X 100 SCT	2 1/2		HK	180	64	59	05	03	006	/HK 1	ML
SP	0800	-X E 100 BKN	3		HK				15	03	006	/HK 1	ML
SA	0849	-X E 80 BKN	3		HK	183	66	58	12	03	007	/HK 1	ML
SA	0950	-X E 60 BKN 100 OVC	3		HK	186	69	58	14	05	008	/HK 1 B. 4000 N / 217	ML
												157 / 59	
SP	0959	-X E 60 BKN 80 OVC	2		R-HK				15	09	009	/RHK 1	ML
SP	1000	-X E 60 BKN 80 OVC	3		R-HK				15	07	009	/RHK 1	ML
SA	1049	E 60 BKN 120 BKN	5		HK	183	68	62	03	07	007	/PR1754E15 TC442	ML
												AND SE	
SA	1144	60 SCT E 120 OVC	12			176	74	61	35	04	005	/B. 4000 N TC442	ML
SA	1249	60 SCT E 100 BKN	10			164	78	58	33	05	003	/Y1702 1270 TC442	ML
SA	1353	E 60 BKN 100 OVC	5		H	183	72	63	16	14	007	/RB2053 E04 RW4 AUG5	ML
												PRESRR	
SA	1455	E 60 BKN 100 BKN	5		RW-H	180	68	64	14	08	006	/CB NE-SE MOVG N	ML
												8000 RW- 00NLYRW	
												VSBY LWR SE-S	
SP	1520	8 SCT E 50 BKN 100 BKN	5		RW-FH				05	05	005	/CB NE-SE MOVG N CG	ML
												S-SW MOVG N	
SA	1550	8 SCT M40 BKN 80 OVC	15			176	68	65	20	06	005	/CB S-SW MOVG NW	ML
												RE28 RW4 DSNT SE-S	
												00704 157 / 79	
SP	1618	15 SCT E 30 BKN 45 OVC	2 1/2		RW-F				23	03	005	/SCT V BKN	ML
SP	1630	-X 15 SCT E 30 BKN 45 OVC	2		RW-F				25	03	005	/RF1 SCT V BKN VSBY	ML
												W-N 2 1/2 SE-S 1 1/2	
SP	1642	-X 15 SCT M28 BKN 40 OVC	2		R-F				26	03	005	/RF1 VSBY N 2 1/2 SE3	ML
												PCPN VRY LGT	
SA	1652	-X 10 SCT M28 BKN 40 OVC	2		R-F	176	67	65	17	05	005	/RF1 VSBY W-N 2 1/2	ML
												SE3 *R305	
SP	1659	10 SCT M28 BKN 40 BKN	2 1/2		R-F				00	00	005	/VSBY W-N 3 SE4	ML
		80 OVC											
SP	1726	10 SCT M28 BKN 40 OVC	3		F				24	04	005	/CIG RG-D	ML
SA	1751	10 SCT M28 BKN 40 OVC	3		R-F	176	67	65	26	04	005	/RE14838 VSBY SW-W 1 1/2	ML
SA	1848	10 SCT M28 OVC	3		F	173	68	66	28	04	004	/RE10 / 80302 1511	ML
SP	1916	28 SCT M40 OVC	4		FH				27	04	004		ML
SA	1954	25 SCT M35 OVC	5		FH	173	68	66	28	05	004		ML
SA	2047	25 SCT M35 OVC	5		FH	173	69	66	27	08	004		ML
SA	2150	35 SCT	5		FH	166	68	66	31	04	002	/80702 1500 79	ML
SA	2249	-X 10 SCT E 30 OVC	3		FH	169	68	66	26	05	003	/FH1 VSBY W-N 2 1/2	ML
												LAST	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIII IR12HVV Nddff 10TTT 20TdTd 3P0P0P0P0 4PPPP 5pppp 6RRRrr 7wwW1W2 8NnCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S.GPO 1983-0-884-008-8010

WP1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS				DATE OCT 11 1987	
				To convert LST to GMT ADD 2 hrs. SUBTRACT	
TIME (LST)	STATION PRESSURE (In.)	WIND DIR (°)	WIND SPEED (MPH)	REL. HUMIDITY (%)	TOTAL SKY COVER
00					
01					
02					
03					
04	29.990				2
05	29.990				5
06	29.990				7
07	30.015				5
08	30.025				9
09	30.040				10
10	30.030				9
11	30.010				10
12	30.000				9
13	30.030				10
14	30.020				9
15	30.010				10
16	30.010				10
17	30.010				10
18	30.000				10
19	30.000				10
20	30.000				10
21	29.980				3
22	29.990				10
23					

SYNOPTIC OBSERVATIONS														
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA TEMP. (°F)	AIR TEMP. (°F)	STATE OF SKY	11	12	13	14	15	16
0447	0947	1	0	0	0	63	60							
0447	0947	1	0	0	0	64	60							
0447	0947	1	0	0	0	69	59							
1548	2148	1	.04	0	0	79	67							
2148	2300	1	.02	0	0	69	67							
2300		1	0	0	0	68	68							

STATION PRESSURE COMPUTATIONS														
TIME (LST)	TIME (GMT)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	SEA TEMP. (°F)	AIR TEMP. (°F)	STATE OF SKY	11	12	13	14	15	16
0447	0947	1	0	0	0	63	60							
0447	0947	1	0	0	0	64	60							
0447	0947	1	0	0	0	69	59							
1548	2148	1	.04	0	0	79	67							
2148	2300	1	.02	0	0	69	67							
2300		1	0	0	0	68	68							

SUMMARY OF DAY (REFERENCE TO HANDBOOK (2300 P TO 2300 P))														
24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (In.)	24-HR. SNOWFALL WATER EQUIV. (In.)	24-HR. SNOW DEPTH (In.)	24-HR. WIND SPEED (MPH)	24-HR. WIND DIR (°)	24-HR. WIND GUST (MPH)	24-HR. WIND CHILL (°F)	24-HR. WIND RELATIVE HUMIDITY (%)	24-HR. WIND WAVE BASE (In.)	24-HR. WIND WAVE PERIOD (Sec.)	24-HR. WIND WAVE HEIGHT (In.)	24-HR. WIND WAVE LENGTH (In.)	24-HR. WIND WAVE DIRECTION (°)
79	59	.06	0	0	20	5	1403			9				

WEATHER & OBSTRUCTIONS TO VISION														
TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED									
F	CONT	0710												
H	CONT	1115												
K	0710	1115												
R	0754	1015												
RW	1253	1304												
H	1320	1530												
RW	1400	1443												
RW	1443	1449												
RW	1449	1528												
F	1515	1530												
RW	1605	1635												
F	1610	CONT												
R	1635	1714												
R	1738	1810												
H	1908	CONT												

TIME CHECK - CLOCK AT:														
TIME	SUNRISE	SUNSET	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNSET	CHARACTER OF SUNSET									
0500 P	01 Sec.	1000 P	1 Sec.	1600 P	0 2 Sec.									

SP=														
RS=														

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS												DATE OCT 12 1987	TO CONVERT LST TO GMT ADD <u>8</u> HRS SUBTRACT <u>0</u> HRS
TIME PLT	SKY AND CLOUDS Hundredths of Sky	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mmHg	TEMP °F	DEW PT °F	WIND			ALTITUDE Feet	REMARKS AND SUPPLEMENTAL CODED DATA		
							DIRECTION	SPEED Knots	CHANGING				
SA 1456	M450CL	5	FH	156.67	65	61.03	999	166	2006		AMS		
SA 1530	M12BKN 450CL	5	FH			33.04	999	174	2006		AMS		
SA 1548	M12BKN 450CL	3	FH	156.68	65	60.00	999	174	2006		AMS		
SA 1615	125CT E450CL	2 1/2	FH			28.03	999	174	2006		AMS		
SA 1656	13 SCT E500BKN 1000CL	2 1/2	FH	159.69	66	24.05	000	1500	1577		AMS		
SA 1730	M11BKN 500CL	4 2 1/2	FH			28.04	000	1500	1577		AMS		
			R										
SA 1755	M10BKN 500CL	4 2 1/2	FH	159.69	65	28.05	000	1500	1577		AMS		
SA 1802	M10BKN 500CL	4 3	FH			25.04	001	1500	1577		AMS		
SA 1834	M100CL	5	FH	166.69	64	24.06	002	1107	1511	66	AMS		
SA 1845	M130CL	6	H	166.69	64	27.04	002	1107	1511	66	AMS		
SA 1855	M130CL	6	H	166.70	64	18.05	002				AMS		
SA 1916	M100CL	6	H	166.69	64	20.06	002				AMS		
SA 1951	M120CL	5	RW-H	152.71	65	14.06	998	1835	1850	1511	AMS		
SA 1931	M160CL	14				17.06	998				AMS		
SA 1948	1134 M1200CL	14		152.69	64	20.06	998	1805			AMS		
SA 1923	155CT E100BKN	15				21.05	999	1500	1577		AMS		
SA 1946	155CT E100BKN	15		152.73	64	17.05	998				AMS		
SA 1952	60 SCT 80 SCT	15		149.71	59	14.07	997	1500	1577		AD		
								80200/870 73					
SA 1650	60 SCT 100 SCT	20		146.71	55	17.04	996	1500	1577		AD		
SA 1750	60 SCT	15		146.67	61	20.04	996	1500	1577		AD		
SA 1849	100 SCT	15		149.66	59	19.04	997	1500	1577		AD		
SA 1949	CLR	12		149.65	61	00.00	997	1500	1577		AD		
SA 2049	11 SCT	10		149.64	61	30.04	997	1500	1577		AD		
SA 2149	CLR	10		149.63	61	28.04	997	1500	1577		AD		
SA 2248	CLR	8		149.63	61	11.03	997	1500	1577		AD		

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: 1100 1R14VV Nddff 10TTT 20TdTd 3P0P0P0 4PPPP 5pppp 6RRRr 7wwW1W2 8NCLCMCH plus regional and national data groups.

SUPERSEDES MP 1-10A (11-82) WHICH MAY BE USED.

U.S.GPO:1983-0-084-008/0010

U S GPO 1983-0-794-002/001

MP 1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE OCT 13 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT 0 HRS			
SURFACE WEATHER OBSERVATIONS											
TIME Z	TYPE	SKY AND CLOUDS Hundredths of Sky	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. mmHg	TEMP. °F	DEW PT. °F	WIND DIRECTION SPEED KNOTS	WIND GUSTS KNOTS	ALTIM. ETER READING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA
0447	SA	M10 OVC	7		146.61	60	60	00	00	996	/CIG RGD / 60 2LW
0552	SA	10 SCT M19 OVC	6	H	146.62	59	12	03		996	/SCT V BKN (CIG RGD) 2LW
0654	SA	13 SCT M20 OVC	5	H	149.64	60	06	04		997	/CIG RGD BKN OVC / 305 2LW
0748	SA	15 SCT M21 BKN	4	H	152.65	60	12	05		998	/CIG LWR SW 2LW
0851	SA	15 SCT E21 BKN	4	H	152.69	61	16	05		998	2LW
0950	SA	E17 BKN 25 OVC	6	H	152.69	61	17	07		998	/MDT CW ALRDS AND 2LW
											QVAD TAFE AF OVC 033
											103 1811 60
1052	SA	18 SCT E24 OVC	7		152.70	61	18	07		998	/SCT V BKN 2LW
1153	SA	17 SCT E26 BKN	10		149.70	62	17	12		997	2LW
1231	SP	17 SCT 30 SCT	12				17	10		996	2LW
1252	SA	17 SCT 30 SCT	12		142.72	61	19	09		995	/ 810 1800 2LW
1344	SA	17 SCT 30 SCT	12		139.71	60	19	08		994	ML
1444	SA	17 SCT	14		139.71	60	22	07		994	ML
1557	SA	17 SCT 30 SCT	14		135.70	59	20	06		993	/ 808 1500 73 AD
1649	SA	E30 BKN	14		132.70	59	18	05		992	/FEW LWR SC AD
1725	L	M42 BKN	12				22	06		993	/FEW LWR SC AD
1844	SA	42 - SCT	8		135.68	59	20	03		993	/FEW LWR SC AD
1850	SA	E42 BKN	8		139.66	60	30	05		994	/ 305 1500 AD
1948	SA	42 SCT	7		142.66	60	32	04		995	AD
2050	SA	40 SCT	7		146.65	60	32	03		996	AD
2152	SA	40 - SCT	7		146.64	60	33	03		996	/ 107 1500 73 AD
2248	SA	40 - BKN	6	H	146.64	60	00	00		996	/ LAST AD

A synoptic observation using WMO code FM12-VII, as described in FMM-2, is entered on line following related Basic observation.

FM12-VII: 1111 1R12VV Nddff 1s0TTT 2s0TdTd 3PoPoPoPo 4PPPP 5sppp 6RRR1R 7wwW1W2 8NhCLCMCH plus regional and national data groups.
SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED. U.S.G.P.O. 1983-0-084-008/010

WFI-108 10-83		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)																	
SURFACE WEATHER OBSERVATIONS										DATE OCT 13 1987										To convert LST to GMT ADD 5 hrs. SUBTRACT hrs.									

TIME (LST)		STATION PRESSURE (In.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL OBS. SKY COVER	PRES. TEND- ENCY	WET BULB CHARGE (In.)	WIND SPEED (Kts.)	WIND DIRECTION (In.)	PREC- IPITATION (In.)							
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER															
							AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT													
00																															
01																															
02																															
03																															
04	47	29.820				10																									
05	53	29.820				10																									
06	54	29.830				10	4	SC	13	6	SC	M20	10																		
07	48	29.840				8																									
08	51	29.840				7																									
09	50	29.840				10	7	CU	E17	3	SC	25	10																		
10	52	29.840				10																									
11	53	29.830				8																									
12	52	29.810				3	1	CU	17	2	SC	30	3																		
13	49	29.800				3																									
14	49	29.800				3																									
15	51	29.885				3	1	SC	17	2	SC	30	3																		
16	49	29.880				4																									
17	49	29.880				3																									
18	50	29.700				9	9	SC	E42																						
19	48	29.910				4																									
20	50	29.920				1																									
21	52	29.920				3	7	SC	40																						
22	46	29.920				8																									
23																															

SYNOPTIC OBSERVATIONS																	
TIME (LST)	TIME (AST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts.)	WIND DIRECTION (In.)	STATE OF SKY	STATE OF SEA	STATE OF WATER	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND
01	2300	1	0	0	0	63	60										
02	2444	1	0	0	0	63	60										
03	0948	1	0	0	0	69	61										
04	1547	1	0	0	0	73	68										
05	2148	1	0	0	0	71	64										
06	2300	1	0	0	0	64	64										

STATION PRESSURE COMPUTATIONS																	
TIME (LST)	TIME (AST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts.)	WIND DIRECTION (In.)	STATE OF SKY	STATE OF SEA	STATE OF WATER	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND
01	2300	1	0	0	0	63	60										
02	2444	1	0	0	0	63	60										
03	0948	1	0	0	0	69	61										
04	1547	1	0	0	0	73	68										
05	2148	1	0	0	0	71	64										
06	2300	1	0	0	0	64	64										

SUMMARY OF DAY (HOURS TO HOURS) (2300P TO 2300P)																	
TIME (LST)	TIME (AST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts.)	WIND DIRECTION (In.)	STATE OF SKY	STATE OF SEA	STATE OF WATER	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND
01	2300	1	0	0	0	63	60										
02	2444	1	0	0	0	63	60										
03	0948	1	0	0	0	69	61										
04	1547	1	0	0	0	73	68										
05	2148	1	0	0	0	71	64										
06	2300	1	0	0	0	64	64										

WEATHER & OBSTRUCTIONS TO VISION																	
TIME (LST)	TIME (AST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts.)	WIND DIRECTION (In.)	STATE OF SKY	STATE OF SEA	STATE OF WATER	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND
01	2300	1	0	0	0	63	60										
02	2444	1	0	0	0	63	60										
03	0948	1	0	0	0	69	61										
04	1547	1	0	0	0	73	68										
05	2148	1	0	0	0	71	64										
06	2300	1	0	0	0	64	64										

TIME CHECK - CLOCK AT 0500P																	
TIME (LST)	TIME (AST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND SPEED (Kts.)	WIND DIRECTION (In.)	STATE OF SKY	STATE OF SEA	STATE OF WATER	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND	STATE OF WIND
01	2300	1	0	0	0	63	60										
02	2444	1	0	0	0	63	60										
03	0948	1	0	0	0	69	61										
04	1547	1	0	0	0	73	68										
05	2148	1	0	0	0	71	64										
06	2300	1	0	0	0	64	64										

WFO-10A 5-831		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)	
SURFACE WEATHER OBSERVATIONS						DATE OCT 14 1987	
						TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT 0 HRS.	
TIME	SKY AND CLOUDS Number of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. inches	TEMP. inches	WIND Direction Speed inches	REMARKS AND SUPPLEMENTAL CODED DATA
TIME	SKY AND CLOUDS Number of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. inches	TEMP. inches	WIND Direction Speed inches	REMARKS AND SUPPLEMENTAL CODED DATA
SA 0447	M15 OVC	5	FH	142.61	60	00 00	995 / CIG RGD THIN SPAT 995
SA 0554	M17 OVC	3	FH	142.63	60	35 04	995 / INSC / 60
SA 0649	M18 OVC	3	FH	146.64	60	12 05	996 / CIG RGD TOPS 033 8LW
SA 0718	M19 OVC	2 1/2	FH			02 03	996 / CIG RGD TOPS 028 8LW
SA 0751	-X M19 OVC	2 1/2	HK	149.67	61	12 03	997 / HK1 VSBY SE-S2 8LW
SA 0851	-X 17 SCT M22 OVC	2 1/2	HK	149.68	60	00 00	997 / HK1 VSBY SE-S2 8LW
SA 0950	-X 17 SCT M22 OVC	2 1/2	HK	149.69	60	00 00	997 / HK1 105 1511 60 8LW
SA 1040	18 SCT M23 OVC	3	HK			21 03	996
SA 1053	19 SCT M23 OVC	3	HK	146.71	57	00 00	996 / TOPS 033 8LW
SA 1148	M23 OVC	4	HK	142.72	59	36 03	995 / SML BINCJC 04HD 8LW
SA 1249	E25 BKN	4	HK	132.72	60	19 09	992 / CIG LWR SW / 817 1500 8LW
SA 1350	25 SCT	5	HK	139.72	59	15 08	991 / SCT V BKN ML
SA 1449	25 SCT	6	HK	125.72	60	25 07	990 / SCT V BKN ML
SA 1549	25 SCT	5	HK	125.71	60	26 08	990 / 607 1500 73 AD
SA 1649	CLR	6	HK	129.68	59	26 07	991 / FEW SC AD
SA 1750	CLR	6	HK	129.66	59	27 06	991 / 307 AD
SA 1849	CLR	6	HK	132.65	59	27 05	992 / 307 AD
SA 1948	CLR	5	HK	135.65	59	30 03	993 / 107 73 AD
SA 2048	CLR	5	HK	139.64	59	31 04	994 / FH1 AD
SA 2150	CLR	3	FH	139.62	59	00 00	994 / 107 73 AD
SA 2249	-X	3	FH	139.63	59	00 00	994 / FH1 AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII 1100 1010 HVV Mddff 1a0TTT 2a0TdTd 3P0P0P0P0 4PPPP 5a0pp 6RRRr 7a0W;W; 8N;CLC;CH plus regional and national data groups.

SUPERSEDES WF 1-10A-11-82 WHICH MAY BE USED.

U.S. GPO 1983-0-084-008/010

8 M 5 GPO 1983-0-70-00000

MP1-10A (5-83)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)		DATE OCT 15 1987		TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT HRS			
SURFACE WEATHER OBSERVATIONS											
TIME FL T	TYPE	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS INCHES	TEMP BY INCHES	WIND		ALTIM ETER SET TING INCHES	REMARKS AND SUPPLEMENTAL CODED DATA
			STAT	SEA				DIR	SPEED KNOTS		
0447	SA	-X M13 OVC	2 1/2		FH	137	65	60	02 03	994	/FH2 CIG RG-D VSBY 2LW
0555	SA	-X M14 OVC	2 1/2		FH	139	65	60	01 03	994	SE3/ 62 /FH2 CIG RG-D VSBY 2LW
0603	SF	-X M14 OVC	2		FH				11 04	994	W-N2 TOPS 027 /FH2 CIG RG-D VSBY 2LW
0651	SA	-X M14 OVC	2		FH	146	65	60	01 04	996	SE-SW 1/2 / 314 1611 /FH2 CIG RG-D VSBY 2LW
0718	SF	-X M15 OVC	2		FH				14 03	997	/FH2 2LW
0752	SA	-X M17 OVC	2		FH	152	66	60	05 03	998	/FH2 2LW
0853	SA	-X M19 OVC	2		HK	156	67	60	05 03	999	/HK2 TOPS 028 2LW
0950	SA	-X 15 SCT M19 OVC	2		HK	159	68	59	14 04	000	/HK1 VSBY W-N2 1/2 / 214 2LW
1033	SF	-X M20 OVC	2 1/2		HK				09 03	000	/HK1 2LW
1048	SA	-X M20 OVC	2 1/2		HK	159	67	60	14 04	000	/HK1 VSBY SE3 TOPS 029 2LW
1154	SA	-X M20 OVC	2 1/2		HK	156	70	59	07 04	947	/HK1 VSBY SE3 TOPS 030 2LW
1240	SF	M22 OVC	3		HK				21 03	997	/SML BINGVC CUHD 2LW
1249	SA	M23 OVC	4		HK	149	70	60	16 07	997	/SML BINGVC CUHD / 810 2LW
1353	SA	E23 BKN	4		HK	142	72	60	14 08	945	1511
1430	SA	23 SCT	4		HK				21 08	994	
1530	SA	-X	3		HK	139	71	59	21 06	944	HK1
1549	SA	CLR	4		HK	139	70	59	19 08	974	/G12 72
1647	SA	-X	3		HK	135	69	59	28 06	993	/HK1
1747	SA	-X	4		HK	142	66	59	28 06	945	/HK1
1850	SA	-X	4		HK	146	64	59	27 07	996	/HK1 / 308
1950	SA	CLR	5		HK	149	64	59	30 04	997	
2047	SA	CLR	6		HK	152	63	58	30 04	998	
2149	SA	CLR	6		HK	156	62	58	20 04	999	/108 72
2246	SA	CLR	5		HK	156	62	58	00 00	999	/LAST

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII 1111 1R12HV NddH 1aTTT 2aTdTd 3PoPoPoPo 4PPPP 5aopp 6RRRr 7aW1W2 8N1CLMCH plus regional and national data groups.

SUPERSEDES MP1-10A (11-83) WHICH MAY BE USED.

U.S. GPO: 1983-0-884-008/8010

MF1-108 (10-83)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL WEATHER SERVICE										STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)												
SURFACE WEATHER OBSERVATIONS															DATE OCT 15 1987					To convert LST to GMT ADD <u>8</u> hrs. SUBTRACT <u> </u> hrs.				
TIME (LST)		STATION PRESSURE (In.)	DPT BULB (°F)	WET BULB (°F)	REL. HUMID- ITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL O- PAQUE SKY COVER	PRES- SURE TEND- ENCY	NET SUN- SHINE CHANG- E (In.)	SUN- SHINE (In.)	PREC- IPITATION (In.)	
							LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER								
AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT	AMT	TYPE	HEIGHT							
00																								
01																								
02																								
03																								
04	47	29.895				10									10									
05	55	29.900				10									10									
06	51	29.920				10	2	F	-	10	ST	M14	10		10	3	.040							
07	52	29.940				10									10									
08	53	29.950				10									10									
09	50	29.960				10	1	H	-	2	SC	15	3	7	SC	M19	10	.040						
10	48	29.960				10									10									
11	54	29.950				10									10									
12	49	29.930				10	10	SC	M23						10	8	.030							
13	57	29.910				8									8									
14	52	29.900				1									1									
15	49	29.895				0									0	6	.035							
16	47	29.890				1									1									
17	47	29.905				1									1									
18	52	29.920				1	1	H	-						1	3	.025							
19	50	29.930				0									0									
20	47	29.940				0									0									
21	44	29.945				0									0	1	.025							
22	48	29.950				0									0									
23																								

SYNOPTIC OBSERVATIONS																	
TIME (GMT)	TIME (LST)	NO.	PRECIP. (In.)	SNOW FALL (In.)	SNOW DEPTH (In.)	WIND TEMP. (°F)	WIND TEMP. (°F)	STATE OF SKY	1	2	3	4	5	6	7	8	9
00	0444	1	0	0	0	65	62										
01	0444	1	0	0	0	65	62										
02	0448	1	0	0	0	68	64										
03	1547	1	0	0	0	72	68										
04	2147	1	0	0	0	71	62										
05	2300	1	0	0	0	63	62										

SUMMARY OF DAY (2300P TO 2300P)												WEATHER & OBSTRUCTIONS TO VISION							
PEAK WIND												TYPE							
WIND DIR.	WIND SPEED	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.	WIND TEMP.		
72	62	0	0	13	5	1346													

REMARKS, HYDRO AND MISCELLANEOUS PHENOMENA											
TIME: SUNRISE SUNSET TOTAL SUNSHINE (MIN.) CLOUDY OBSERVED CLOUDY NOT OBSERVED TIME CHECK - CLOCK AT: 0500P ± 0 Sec. 1000P ± 0 Sec. 1600P ± 0 Sec.											